

Mueller Exhibit 40

Agenda item 3
Title: Approved report of 3GPP TSG RAN WG1 #40 in Scottsdale
 (Scottsdale, AZ, USA, 14 – 18 February, 2005)
Document for:
Source: TSG RAN WG1 Secretary



Notes:

All timestamps in this document are in GMT-7H unless otherwise noted.

Fact Summary

Meeting: 3GPP TSG RAN WG1 #40
Dates: 14th through 18th February, 2005
Venue: Embassy Suites Hotel Phoenix - Scottsdale, Scottsdale, AZ, USA
Host: The North American Friends of 3GPP
Attendees: 81 delegates
Documents: 195 (including some withdrawn and post-meeting artefacts)

Yoshikazu Ishii
ETSI Mobile Competence Center
yoshikazu.ishii@etsi.org

Table of contents

Executive summary	1
1 Opening of the meeting.....	2
1.1 Call for IPR.....	2
2 Approval of the agenda	2
3. Approval of the minutes from previous meetings.....	2
4. Summary from TSG RAN#26.....	3
5. Liaison statement handling.....	4
6. Maintenance of R99, Rel4, Rel5, Rel6.....	6
6.1 R99 CRs + shadow CRs	6
6.2 Rel4 CRs + shadow CRs	6
6.3 Rel5 CRs + shadow CRs	6
6.4 Rel6 CRs (if not covered by other agenda item)	6
6.5 Other	7
7. MBMS UE capability	9
8. Optimisation of downlink channelisation code utilisation (FDD).....	10
9. FDD Enhanced Uplink	13
9.1 Reporting from the conference calls on Enhanced Uplink.....	15
9.2 Timing, HARQ and Scheduling.....	16
9.3 Measurements for RRM.....	21
9.4 UE categories (TS 25.306).....	23
9.5 Interaction with other features	24
9.6 Enhanced Uplink CRs on the specifications	25
9.6.1 CRs for TS 25.211	25
9.6.2 CRs for TS 25.212	27
9.6.3 CRs for TS 25.213	28
9.6.4 CRs for TS 25.214	28
9.6.5 CRs for TS 25.215	29
10. IMS (RAB support enhancement work item).....	30
11. Optimisation of downlink channelisation code utilisation (3.84 Mcps TDD).....	31
12. Optimisation of downlink channelisation code utilisation (1.28 Mcps TDD).....	32
13. Work Item on 7.68 Mcps TDD.....	33
14. Study Item on TDD Enhanced Uplink	34
15. Review of RAN WG1 Terms of Reference.....	35
16. Other Business.....	35
17. Closing of the meeting : Friday 5.00 PM.....	36
Annex A: List of participants	37
Annex B: TSG RAN WG1 meetings in 2005	40
Annex C: List of CRs agreed at RAN1#40.....	41
Annex D: List of Outgoing LSs to 3GPP other groups.....	43
Annex E: List of Tdocs at RAN1 #40	44

Executive summary

WG RAN1 #40 took place in Embassy Suites Hotel Phoenix - Scottsdale, AZ, USA. The meeting started at 9:00 on Monday 14th February 2005 and finished at 16:00 on Friday 18th.

On Monday, “Maintenance of R99-Rel.6”, “MBMS UE capability”, and “Optimisation of downlink channelisation code (FDD)” were discussed. Regarding “Optimization of downlink channelization code”, the set of CR for TS25.211-215 was agreed.

Through Tuesday to Thursday, “FDD Enhanced Uplink” was mainly discussed. Timing/HARQ/Scheduling issues, UE capabilities, and compressed mode for EDCH were discussed and then more than ten CRs were agreed. Additionally, RAN1/2/3/4 joint session regarding RRM EDCH was held on Wednesday evening.

The number of contribution documents for this meeting was 190, and those documents were categorized as followed.

Agenda Item	Input Document	Discussed Document
Maintenance of R99, Rel4, Rel5, Rel6	16	14
MBMS UE Capability	8	8
Optimisation of downlink channelisation code (FDD)	25	19
FDD Enhanced Uplink	105	85
IMS(RAB support enhancement work item)	1	1
Optimisation of downlink channelisation code (3.84 Mcps TDD)	4	3
Optimisation of downlink channelisation code (1.28 Mcps TDD)	2	2
Work Item on 7.68 Mcps TDD	4	2
Study Item on TDD Enhanced Uplink	5	4

Note: The withdrawn and revised documents were counted in the numbers of document on this table.

1 Opening of the meeting

14/02/2005 09:05

The RAN1 Chairman, Mr. Dirk Gerstenberger and welcomed the participants to the 40th RAN WG1 and opened the meeting at 09.05am.

Mr. Donald E. Zelmer from Singular Wireless LLC welcomed the delegates on behalf of the North American Friends of 3GPP.

1.1 Call for IPR

14/02/2005 09:05

The Chairman drew attention to Members' obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.

The attention of the members of this Technical Specification Group is 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 members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/Ipr/>).

2 Approval of the agenda

R1-050035 Draft Agenda

(RAN1 Chairman)

14/02/2005 09:10 Presented by Mr. Dirk Gerstenberger.

Discussion (Question / Comment):

The Mr. Chairman informed about the discussion in this week.

Decision: This document was approved.

3. Approval of the minutes from previous meetings

R1-050040 DRAFT Report of 3GPP TSG RAN WG1 #39

(RAN1 Secretary)

14/02/2005 09:15 Presented by Mr. Yoshikazu Ishii.

Decision: This document was approved in Tdoc R1-050180.

R1-050180 Approved Report of 3GPP TSG RAN WG1 #39

(RAN1 Secretary)

R1-050075 DRAFT Report of 3GPP TSG RAN WG2 #45

(RAN2 Secretary)

14/02/2005 09:15 Presented by Mr. Yoshikazu Ishii.

Decision: This document was approved just on RAN1/2 Joint session topic in 12.2.

4. Summary from TSG RAN#26

R1-050041 Summary from TSG RAN#26

(RAN1 Chairman)

14/02/2005 09:25 Presented by Mr. Dirk Gerstenberger.

Discussion (Question / Comment):

Mr. Chairman informed about the discussion and decision regarding the last plenary meeting. At last plenary meeting, in addition to the normal discussion, the big topics “UTRAN evolution” was discussed and then the process of this topic and SI were approved. As the topic related to RAN1, MIMO was approved to postpone until RAN#28.

As the other information, the WG1 election will be held at the WGs co-located meeting in May.

Decision: This document was noted.

5. Liaison statement handling

R1-050036 Reply LS on parameter set for PS streaming reference radio bearer combination with downlink rate up to 128 kbps (To ; T1, Cc ; RAN1) (WG RAN2)

14/02/2005 09:30 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050037 Reply LS on Synchronisation of FDD MBMS P-t-M Transmissions from Clusters of Cells (To ; RAN3, Cc ; RAN1, RAN4) (WG RAN2)

14/02/2005 09:35 Presented by Mr. Mark Harrison.

Decision: This document was noted.

R1-050038 LS on Layer 1 synchronization procedure (To ; RAN1, Cc ; RAN3, RAN4) (WG RAN2)

14/02/2005 09:35 Presented by Mrs. Ning He.

Decision: This document was noted.

R1-050039 LS on Radio link failure criteria on Fractional DPCH (To ; RAN3, RAN4, Cc ; RAN1) (WG RAN2)

14/02/2005 09:40 Presented by Mr. Markku Tarkiainen.

Decision: This document was noted.

R1-050123 LS on Details on MCCH (To ; RAN4, Cc ; RAN1) (WG RAN2)

14/02/2005 09:40 Presented by Mr. Elias Jonsson.

Discussion (Question / Comment): There are some discussions on how to pick up the information from MCCH.

Decision: This document was noted.

R1-050124 LS on reference cell in SFN-SFN observed time difference measurement (To : RAN1, Cc : RAN2) (WG T1)

14/02/2005 09:45 Presented by Mr. Markku Tarkiainen.

Discussion (Question / Comment): From Panasonic, it was informed that there is and contribution to this topics. From Nortel, it was commented that it should be confirmed whether the other WG spec (RAN4) have CRs or not in addition to TS25.215.

Decision: This document was noted.

R1-050125 LS on modified parameters for 5.9 speech radio bearer 6.10.2.4.1.9 in 34.108 (To ; RAN1, RAN2) (WG T1)

14/02/2005 09:55 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment): It was commented that RAN2 discussion should be checked.

Decision: This document was noted.

R1-050175 LS on the measurements required for EDCH congestion control (To : RAN1, Cc : RAN2, RAN4) (WG RAN3)

Discussion (Question / Comment):

Decision: This LS was noted at RAN1/2/3/4 joint session on RRM EDCH.

R1-050199 LS on alignment of MBMS transport channels (To : RAN1, RAN2) (WG RAN3)

18/02/2005 09:10 Presented by Dr. Joern Krause (Siemens).

Discussion (Question / Comment):

Decision: This document was noted. It was decided to send the reply LS indicating that no significant impact on RAN1 specifications is expected with an introduction of an SFN-MFN offset (no impact with introduction of an SFN-CFN offset) that would lead to alignment of TTI starting times and the proposed solution CFN mod2 = 0 is not preferred in Tdoc R1-050214.

R1-050214 [DRAFT] Reply LS on alignment of MBMS transport channels (Siemens)

18/02/2005 12:20 Presented by Dr. Joern Krause.

Discussion (Question / Comment):

Decision: This draft LS was approved with modification in Tdoc R1-050221

R1-050221 Reply LS on alignment of MBMS transport channels

(WG-RAN1)

R1-050211 LS on Layer 1 synchronization procedure (To ; RAN1, Cc ; RAN3, RAN4)

(WG RAN3)

18/02/2005 09:35 Presented by Ms. Ning He.

Decision: This document was noted.

6. Maintenance of R99, Rel4, Rel5, Rel6

6.1 R99 CRs + shadow CRs

R1-050110 25.215CR150r1(Rel99, C),CR151r1(Rel-4, A), CR152r1(Rel-5, A), CR153r1(Rel-6, A) "Removal of TGPL2" (Ericsson, Samsung)

14/02/2005 10:00 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment): It was commented that there was a concern for the removal on R99.

Decision: The rel of CR is technically agreed. The decision on release will be taken at next RAN meeting.

6.2 Rel4 CRs + shadow CRs

6.3 Rel5 CRs + shadow CRs

R1-050113 25.214CR365(Rel-5, F), CR366(Rel-6, A) "Correction to computed gain factors quantization" (QUALCOMM Europe)

14/02/2005 10:05 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment): From Philips and Vodafone, it was commented that this issue is not sure to rely on from network side and so it should be checked by network manufacture side. Also there are some comments and question for the motivation and benefit of this issue.

Decision: It was decided to revisit this topic after the offline discussion. In last day, from Qualcomm Europe, the following "Way forward" was proposal.

Way forward proposal: Agreed Rel5 CR, but not Rel6 CR, principle agreement to increase the gain factor resolution from Rel6 onward (CR to be brought to RAN#40bis)

Final decision: Relation to RAN4 specification should be checked w.r.t accuracy requirement and also whether the objective of the CRs is already possible with the current specifications. Companies can raise concerns on the CR over the RAN1 reflector before the RAN meeting. ~~Rel-5 was agreed.~~

After the meeting, Lucent raised some concerns for Rel-5 CR on the RAN1 reflector.

Not Treated

R1-050171 UE behavior in DPCH frame offset reconfiguration (Intel)

6.4 Rel6 CRs (if not covered by other agenda item)

R1-050099 25.214CR354r2(Rel-6, C)"Timing maintained Hard Handover" (Ericsson)

14/02/2005 11:10 Presented by Mrs. Ning He.

Discussion (Question / Comment): There are some questions and comments on the behaviour on non-timing maintained handover, how to recognize between timing maintained and non-timing maintained handover. From Nortel, it was commented that from the influence of the issue should be checked from RAN3 aspects.

Decision: It was decided to discuss more from viewpoint of "Node B indication needed?". This CR was revised in Tdoc R1-050201.

R1-050201 25.214CR354r3(Rel-6, C)"Timing maintained Hard Handover" (Ericsson)

18/02/2005 09:40 Presented by Ms. Ning He.

Discussion (Question / Comment):

Decision: ~~The CR was agreed.~~ For RAN plenary, MCC adds 25.433 to the cover page.

R1-050100 25.214CR355r1(Rel-6, B)"Faster L1 DCH synchronization" (Ericsson)

14/02/2005 11:50 Presented by Ms. Ning He.

Discussion (Question / Comment): It was commented regarding the relation to the RAN4 specification

Decision: It was decided to replace Qpost with Qout, and should be reconfirm with RAN2 about indication of the post-sync-failure (depends on RAN2 discussion). Revision 2 of the CR in tdoc R1-050173. Draft an LS to RAN4 in tdoc R1-050174.

R1-050173 25.214CR355r2(Rel-6, B)"Faster L1 DCH synchronization" (Ericsson)

18/02/2005 09:50 Presented by Ms. Ning He.

Discussion (Question / Comment): It was commented that L1 specification can not distinguish the content and information, so this issue may depend on RAN2.

Decision: This CR was technically agreed from RAN1 perspective. If RAN2 comes to another conclusion, the CR text shall be updated accordingly.

R1-050174 Draft LS on Faster L1 DCH synchronization (Ericsson)

18/02/2005 09:55 Presented by Ms. Ning He.

Discussion (Question / Comment):

Decision: The draft LS was approved with the modification in Tdoc R1-050216

R1-050216 LS on Faster L1 DCH synchronization (To : RAN4) (WG RAN1)

R1-050082 25.215CR154(Rel-6, F)"Clarification of cell on SFN-SFN observed time difference" (Panasonic)

14/02/2005 12:00 Presented by Mr. Hidetoshi Suzuki.

Discussion (Question / Comment): From Mr. Chairman, it was suggested that the set for the earlier release should be prepared for the RAN Plenary.

Decision: This CR was agreed. It was decided to consider possibility for CRs to the earlier releases (R99...) at RAN Plenary as company proposal.

R1-050096 25.224CR140r2(Rel-6, C) "Improvements to uplink closed-loop power control for 1.28Mcps TDD" (IPWireless)

14/02/2005 12:20 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment): The CR was already agreed at the last meeting (RAN1#39). Because the set of CRs from other group was not available, the approval for the CRs was postpone at the last plenary. And also, the version of specification was updated. As the results, this CR was checked for the new version of specification and was changed on only the cover sheet.

Decision: This CR was agreed. The Category was changed from TEI6 to LCRTDD-Phys after meeting.

R1-050114 25.215CR147r4"Introduction of 'DL Transmission Branch Load' measurement" (Siemens)

14/02/2005 12:15 Presented by Dr. Joern Krause.

Discussion (Question / Comment): The CR was already agreed at the last meeting (RAN1#39). Because the set of CRs from other group was not available, the approval for the CRs was postpone at the last plenary. And also, the version of specification was updated. As the results, this CR was checked for the new version of specification and was changed on only the cover sheet.

Decision: This CR was agreed.

6.5 Other

R1-050154 AMR-WB reference RAB configurations (Nokia)

14/02/2005 12:20 Presented by Mr. Markku Tarkiainen.

Discussion (Question / Comment): From Vodafone It was asked why the SRB5 was not used

Decision: It was suggested to check PL 0.84 and why SRB5 is omitted.

R1-050205 AMR-WB reference RAB configurations (Nokia)(Revision of R1-050154)

18/02/2005 10:10 Presented by Mr. Markku Tarkiainen.

Discussion (Question / Comment):

Decision: This document was noted. RAN 1 confirms the correctness of the RAN1 parameters.

R1-050153 Feature Clean-Up

(Nokia) (Withdrawn)

R1-050172 Feature Clean-Up

(Nokia, Motorola)

14/02/2005 12:25 Presented by Mr. Markku Tarkiainen.

Discussion (Question / Comment):

Decision: This document was noted. The decision on removal of features should be taken TSG RAN level. Hence this part of the discussion is deferred to RAN#27.

7. MBMS UE capability

R1-050083 MBMS UE capability (Panasonic)

14/02/2005 14:05 Presented by Mr. Hidetoshi Suzuki.

Discussion (Question / Comment): It was confirmed that 12kbps UE capability is the minimum but the technical discussion should be made from 64kbps. It was asked if both of the capability part A and B are mandatory. The answer to the question was Yes.

Decision: This document was noted

R1-050138 MBMS UE Capability for FDD (Motorola)

14/02/2005 14:20 Presented by Mr. Mark Harrison.

Discussion (Question / Comment):

There are many discussion regarding “Number of TTI”, “Maximum TTI”, “Simultaneous reception of DL DPCH and S-CCPCH”. It was commented that “Maximum” should be removed from Table 4.X.2 because the relation of the maximum TTI and number of TrCH is not clear.

Decision: This document was noted

R1-050152 On MBMS UE Minimum Capability (Nokia)

Decision: This document was noted with relation to R1-050083 and R1-050138.

It was decided to update Motorola proposal (R1-050138) according to the discussion by considering as followed: PhCH limitation (PhCH bits, codes), 1TrCH for soft combining (also for the whole cluster), 64kbps simultaneous S-CCPCH/DPCH, Keep or remove “MAX” TTI for the moment, could be limited to only one TTI per combination provide that RAN2 has no objections (Revision in Tdoc R1-050176). And also it was decided to indicate TTI issue together with the RAN1 parts of UE capabilities in an LS to RAN2 (Tdoc R1-050177). IRL cluster and bitrates higher than 256kbps seem to be supported within this specification.

R1-050176 MBMS UE Capability for FDD (Motorola, Panasonic)

18/02/2005 10:20 Presented by Mr. Mark Harrison.

Discussion (Question / Comment):

For the finalization for the UE capabilities, how do we treat this working assumption. How do we convert to RAN2 specifications in this 2 weeks for RAN plenary. It should be this proposal to RAN2.

Decision: This document was noted. Include updated the proposal from 176 (with limit on SCCPCH codes) and indicate TTI issue together with the RAN1 parts of UE capabilities in draft LS R1-050177.

R1-050177 LS on MBMS UE capability (Panasonic, Motorola)

18/02/2005 15:50 Presented by Mr. Mark Harrison

Discussion (Question / Comment):

Decision: ~~This draft LS was approved~~ with modification on “Overall description” in Tdoc R1-050222.

R1-050222 LS on MBMS UE capability (To : RAN2, RAN3, RAN4) (WG RAN1)

R1-050092 TTI reordering with measurement gaps of 10 and 20 ms (Siemens)

14/02/2005 15:30 Presented by Dr. Juergen Michel.

Discussion (Question / Comment): It was commented that how the RAN4 part is specified. There were some comments regarding how to switch off the power.

Decision: This document was noted.

R1-050093 Draft LS on TTI reordering (Siemens)

14/02/2005 15:30 Presented by Dr. Juergen Michel.

Decision: The gain would be usable when the network does not utilise the freedom in scheduling provided by selection combining. Amount of gain would need to be compared to what is achievable using by MSCH properly. It was postponed to next meeting with waiting for RAN4 feed back.

8. Optimisation of downlink channelisation code utilisation (FDD)

The overview of discussion about F-DPCH is as followed.

Conclusion

1. F-DPCH shall be mandatory for UEs supporting HSDPA
2. Only one slot format : 2TPC bits, without pilots
3. Phase reference other than P-CPICH.

Regarding the power control, Or of down shall be applied together with a quality criteria (to be defined by RAN4), network should ensure that reliable TPC commands reach the UE. Whether to satisfy all RL with DL QoS target is FFS. Use of Power Offset could simplify RAN3 specifications (assuming that the offsets are the same if pilots are used).

The set of CRs for TS 25.211-TS25.215 was agreed.

TS25.211 : CR200r1 "Introduction of F-DPCH without pilot field" in Tdoc R1-050178

TS25.212 : CR193r1 "Introduction of F-DPCH" in Tdoc R1-050080

TS25.213 : CR70r1 "Introduction of F-DPCH" in Tdoc R1050081

TS25.214 : CR368r1 "Introduction of F-DPCH without pilot field" in Tdoc R1050179

TS25.215 : CR155 "Introduction of F-DPCH without pilot field" in Tdoc R1050133

Regarding "Support for BTFD in flexible position multiplexing of transport channels, there was no agreement from the group to introduce this feature in the specifications.

R1-050150 F-DPCH simulation results

(Nokia)

14/02/2005 16:40 Presented by Mr. Markku Tarkiainen.

Discussion (Question / Comment): It was asked if the simulation for the UE speed 120km was done. The answer to the question was that not yet. The other question was that the both of option 1 and 2 were mandatory or not. To the question, there are no differences for both options from implementation viewpoint. There was the other question regarding the definition of E_c/I_{or} in fig. 2. The answer to the question was that E_c/I_{or} is the average of one slot.

Decision: This document was noted.

R1-050151 F-DPCH operation in SHO

(Nokia)

14/02/2005 17:10 Presented by Mr. Karri Ranto-aho,

Discussion (Question / Comment): There are some comments regarding the timing reference.

Decision: This document was noted.

R1-050128 Introduction of F-DPCH without pilot field

(Philips)

14/02/2005 16:55 Presented by Mr. Matthew Baker.

Discussion (Question / Comment): There was a comment about the problem when the TPC power is weak.

Decision: This document was noted

Conclusion:

1. F-DPCH shall be mandatory for UEs supporting HSDPA
2. Only one slot format : 2TPC bits, without pilots
3. Phase reference other than P-CPICH.

R1-050098 F-DPCH Downlink Power control

(Ericsson)

14/02/2005 17:25 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment): There are some discussions regarding the motivation and benefit for this new requirement. There are commented that the power offset is useful way from RAN3 specifications.

Decision: This document was noted.

Conclusion:

Or of down shall be applied together with a quality criteria (to be defined by RAN4), network should ensure that reliable TPC commands reach the UE. Whether to satisfy all RL with DL QoS target is FFS. Use of PO could simplify RAN3 specifications (assuming that the offsets are the same if pilots are used).

**R1-050066 Optimization of Outer Loop Power Control for F-DPCH
(Top Optimized Technologies)**

14/02/2005 17:45 Presented by Mr. Alfonso Campo.

Discussion (Question / Comment): It was asked what the gain of this method.

Decision: This document was noted. Outer loop convergence should not be a problem fro F-DPCH

**R1-050129 CR25.211-200 (Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips, Nokia)**

14/02/2005 18:25 Presented by Mr. Matthew Baker.

This CR was based on Nortel CR (R1-050079).

Decision: This CR was minor-revised in Tdoc R1-050178.

**R1-050178 CR25.211-200r1 (Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips, Nokia)**

15/02/2005 09:15 Presented by Mr. Matthew Baker.

Decision: ~~This CR was agreed.~~

**R1-050080 25.212CR193r1(Rel-6, B)"Introduction of F-DPCH "
(Nortel)**

14/02/2005 18:30 Presented by Ms. Evelyne Le Strat.

This document is just copy of the last meting for the current version specification.

Decision: ~~This CR was agreed.~~

**R1-050081 25.213CR70r1(Rel-6, B)"Introduction of F-DPCH "
(Nortel)**

14/02/2005 18:35 Presented by Ms. Evelyne Le Strat.

This document is just copy of the last meting for the current version specification.

Decision: ~~This CR was agreed.~~

**R1-050132 CR25.214-368 (Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips, Nokia)**

14/02/2005 18:35 Presented by Mr. Matthew Baker.

This CR was based on Nortel CR (R1-050076).

Discussion (Question / Comment): It was asked if the Qout/Qin is same for F-DPCH and DPCH.

Decision: Qin/Qout kept for FDPCH, but separate parameters might be added in case RAN4 considers if necessary. It was decided to include the text from Tdoc R1-050098 (exclude part on multiple RL QoS "The UE shall run a quality target control loop such that the quality requirement is met for each radio link set.") Revision in R1-050179.

**R1-050179 CR25.214-368r1(Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips, Nokia)**

15/02/2005 09:15 Presented by Mr. Matthew Baker.

Decision: ~~This CR was agreed.~~

R1-050184 [Draft] LS on Introduction of Fractional DPCH (Philips, Nokia, Nortel, Ericsson)

16/02/2005 09:15 Presented by Mr. Matthew Baker.

Discussion (Question / Comment): From Panasonic, Outer loop Power control for F-DPCH, already fixed value? It is RAN4 task. So discussed with RAN4. Add sentence "RAN1 also asks RAN4 to consider with what granularity a signalled TPC error rate target could be followed by the UE"

Decision: ~~This draft LS was approved.~~ with addition of sentence "RAN1 also asks RAN4 to consider with what granularity a signalled TPC error rate target could be followed by the UE" in Tdoc R1-050191.

R1-050191 LS on Introduction of Fractional DPCH (To : RAN2, RAN3, RAN4) (WG-RAN1)

R1-050133 CR25.215-155 (Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips, Nokia)

14/02/2005 18:50 Presented by Mr. Matthew Baker.

This CR was based on Nortel CR (R1-050077).

Decision: ~~This CR was agreed.~~

R1-050076 25.214CR357r2(Rel-6, B)"Introduction of F-DPCH " (Nortel)

Decision: This document was noted

R1-050077 25.215CR148r2(Rel-6, B)"Introduction of F-DPCH " (Nortel)

Decision: This document was noted

R1-050079 25.211CR194r2(Rel-6, B)"Introduction of F-DPCH " (Nortel)

Decision: This document was noted

R1-050047 Addition of support for BTFD in flexible position multiplexing of transport channels (include CR)
(Mitsubishi Electric ; MMCE)

15/02/2005 09:30 Presented by Mr. Vincent BELAICHE.

Discussion (Question / Comment): It was asked if it is required to change the RAN2 specification. The answer to the question was No. Some comments were that this feature in the specification can not arrive to the finalization by this March, that is the deadline of the Rel.6.

Decision: This document was noted. As the conclusion of the R1-050047 and R1-050048, there was no agreement from the group to introduce this feature in the specifications.

R1-050048 Gain of BTFD in flexible position multiplexing of transport channels
(Mitsubishi Electric ; MMCE)

15/02/2005 09:30 Presented by Mr. Vincent BELAICHE.

Discussion (Question / Comment):

Decision: This document was noted.

Conclusion

No agreement from the group to introduce this feature in the specifications.

R1-050042 25.211CR194r2(Rel-6, B)"Introduction of F-DPCH " (Nortel) (Withdrawn)
R1-050043 25.212CR193r1(Rel-6, B)"Introduction of F-DPCH " (Nortel) (Withdrawn)
R1-050044 25.213CR70r1(Rel-6, B)"Introduction of F-DPCH " (Nortel) (Withdrawn)
R1-050045 25.214CR357r2(Rel-6, B)"Introduction of F-DPCH " (Nortel) (Withdrawn)
R1-050046 25.215CR148r2(Rel-6, B)"Introduction of F-DPCH " (Nortel) (Withdrawn)
R1-050130 CR25.212-200 (Rel-6, B)"Introduction of F-DPCH without pilot field"
(Philips) (Withdrawn)

9. FDD Enhanced Uplink

The overview of FDD Enhanced Uplink discussion is as followed.

I. Timing, HARQ and Scheduling

Conclusions **Agreed**

- 10EDCH TTI : 8ms HICH, 4 processes (conditional to split in 203)
- 2 EDCH TTI : 2ms HICH, 8 processes (conditional to split in 203)
- Control channels are sub-frame aligned
- Timing and duration of RGCH (non-serving cell) :
 - Duration : 10ms – consequence is that the channel timing is not linked to a particular UE, process or TTI length.
 - Timing : Offset 2 slots relative to PCCPCH of the non-serving cell
- Timing and duration of HICH
 - Duration : 2ms HICH for 2ms EDCH, 8ms HICH for 10ms EDCH
 - Timing : Offset 2 slots relative to PCCPCH (i.e. aligned with HS-PDSCH)
- Timing and duration of RGCH (serving cell) :
 - Duration : 2ms RGCH for 2ms EDCH, 8ms RGCH for 10ms EDCH
 - Timing : Offset 2 slots relative to PCCPCH(i.e. aligned with HS-PDSCH)
- Timing and duration of AGCH ?
 - Duration
 - ✧ RG based : same as EDCH TTI, i.e. 2ms or 10ms
 - ✧ Non RG based : 10ms AGCH, irrespective of EDCH TTI
 - Timing: Offset 2 slots relative to PCCPCH (i.e. aligned with HS-PDSCH)

The following table was used for discussing the Timing, HARQ and Scheduling issues.

Table 9-A

Configuration	C10	C2
# HARQ processes	4	8
E-DCH TTI [ms]	10	2
E-HICH TTI [ms]	8	2
tau_ec0 [256 chips]	-50	70
Tec [ms]	2	2
Constants		
RTT_max [chips]	1280	1280
To_min	876	876
To_max	1172	1172
Temp		
DCH TTI [chips]	38400	7680
DL TTI [chips]	30720	7680
Period [chips]	153600	61440
UE Proc time		
[slot]		
Minimum	8.34	5.34
Maximum	11.36	8.36
UE Proc time [ms]		
Minimum	5.56	3.56
Maximum	7.57	5.57
BS Proc time		
[slot]		
Minimum	21.14	9.14
Maximum	24.16	12.16
BS Proc time [ms]		
Minimum	14.1	6.1
Maximum	16.1	8.1

2. Measurements for RRM

RAN1/2/3/4 joint session on RRM EDCH was held on Wednesday evening and the way forward was agreed as followed. (Please see the Chairman's note in Tdoc R1-050208 and the draft report from RAN4 secretary)

Scheduler limits/targets

Set a limits to the NodeB & inaccuracy requirements for the scheduler

- a. Total interference in the NodeB: RTWP or relative interference (e.g. RoT)
- b. Power controlled part of the total interference or use of overload indicator triggering mechanism (RAN1/RAN2 to discuss)

Inaccuracy of scheduler operation

-> RAN4 should investigate how accurate the scheduler can follow the targets set by the RNC in x% of the time

New Measurements for admission control

Non-GBR E-DCH:

- Nothing needed.

Non-scheduled GBR E-DCH:

- RNC rules, same as for DCH?
- GBR EDPDCH/DPCCH power ratio that is sent on AGCH? (reporting -> RAN2)
- Interference headroom that can be used for additional GBR users? (RAN1)

DCH:

- Nothing needed in principle due to EUL.

3. UE Categories

a. Category definition (codes, TTI)

- 1xSF4, 2xSF4, 2xSF2, 2xSF2+2xSF4 =>Table 9-A
- Max coding rate=1 for the highest category, all other have max coding rate=0.76 (Agreed)

b. Simultaneous DC II, max 64kbps (Agreed)

c. Joint with HSDPA or separate capabilities ->RAN2

d. SRB on EDCH->RAN2

Table 9-B

Cat	Maximum E-DPDCH set	Support for 2 ms TTI – EDCH	Maximum transport block size for 10 ms TTI [bits]	Maximum transport block size for 2 ms TTI [bits]
1	SF4	No	7296	-
2	SF4	Yes	7296	1460
3	2xSF4	Yes	14592	2919
4	2xSF4	No	14592	-
5	2xSF2	Yes	20000	5837
6	2xSF2	No	20000	-
7	2xSF2 + 2xSF4	Yes	20000	8756
8	2xSF2 + 2xSF4	Yes	20000	11520

Conclusion.

UE categories will be a subset of the categories/parameter combinations listed in the table.

Agreement on Cat 1,3, 4, 5 and 8. No agreement whether cat 2, 6 and 7 are in or out, the most controversial issue being cat 2 and 6. The total number of categories should not exceed 6.

4. Interaction with other features (Compressed mode for EDCH)

E-DPDCH

- Relation with compression-technique related power increase with granted powers?

- How to deal with GBR? Temporary throughput decrease would need to be compensated with increased throughput =higher power
- Brute-force DTX
- No use of HARQ functionality : puncturing & HARQ retransmissions
- Method to choose : FFS

E-DPCCH : FFS

DL control channels : FFS

5. CRs for EDCH

The following CRs were agreed on this meeting.

TS	CR	R	C	Tdoc	Title
25.211	197	1	F	R1-050182	E-HICH/E-RGCH Signature Sequences
25.211	198	1	F	R1-050195	E-HICH/E-RGCH Signature Sequence Hopping
25.211	202	2	F	R1-050223	E-HICH/E-RGCH/E-AGCH timing
25.212	198	1	F	R1-050194	PLnon-max and PLmax
25.212	199	-	C	R1-050108	HARQ bit collection for E-DCH
25.213	72	-	F	R1-050064	Correction on E-DPCCH power offset
25.213	73	1	F	R1-050204	Defining E-DPDCH power offset
25.214	362	2	F	R1-050215	Gain factor setting for E-DCH
25.214	364	1	F	R1-050198	Reliable E-RGCH/E-HICH Detection
25.214	369	2	F	R1-050224	DL/UL timing association of E-DCH operation

R1-050057 TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v1.0.1 (Editor : Nokia)
15/02/2005 11:05 Presented by Mr. Karri Ranta-aho.

Decision: This document was agreed as version 1.1.0 in Tdoc R1-050188.

R1-050188 TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v1.1.0 (Editor : Nokia)

R1-050231 TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v2.0.0 (Editor : Nokia)
This document was submitted to RAN#27 for approval.

9.1 Reporting from the conference calls on Enhanced Uplink

R1-050049 Minutes from RAN1 Conference Call #1 on Scheduling and HARQ
(RAN1 Chairman)

15/02/2005 11:15 Presented by Mr. Dirk Gerstenberger.

Decision: This document was noted.

R1-050050 Minutes from RAN1 Conference Call #2 on NodeB measurements and interaction with RNC admission/congestion control and RRM with EUL (RAN1 Chairman)

15/02/2005 11:15 Presented by Mr. Dirk Gerstenberger.

Decision: This document was noted on R1/2/3/4 joint session.

R1-050051 Minutes from RAN1 Conference Call #3 on UE categories for EUL
(RAN1 Chairman)

15/02/2005 11:15 Presented by Mr. Dirk Gerstenberger.

Decision: This document was noted.

9.2 Timing, HARQ and Scheduling

Timing & number of HARQ processes

R1-050145 E-AGCH Timing (NTT DoCoMo)

15/02/2005 11:15 Presented by Mr. Anil Umesh.

Discussion (Question / Comment): There are many discussions on this contribution. From NTT DoCoMo, it was commented that this contribution is for the efficient HS-PDSCH power allocation not to waste the transmission power resource.

Decision: This document was noted.

R1-050073 Relative timing of downlink signaling channels for E-DCH (Nortel)

15/02/2005 11:45 Presented by Ms. Evelyne Le Strat.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050078 E-DCH timing (Lucent Technologies)

15/02/2005 12:15 Presented by Dr. Rainer Bachl.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050105 E-DCH Downlink Timing Relations (Ericsson)

R1-050186 E-DCH Downlink Timing Relations (Ericsson)(Revised from R1-050105)

15/02/2005 13:40 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050134 E-HICH timing relationship (Siemens) (=R1-050010)

R1-050181 E-HICH timing relationship (Siemens) (Revised from R1-050134)

15/02/2005 13:50 Presented by Dr. Thomas Chapman.

Decision: This document was noted.

R1-050056 Timing of E-HICH and number of HARQ processes (ZTE)

15/02/2005 14:00 Presented by Mr. Wang Chen.

Decision: This document was noted.

R1-050070 Timing and the number of HARQ processes for HSUPA (LG Electronics)

15/02/2005 14:10 Presented by Mr. Joon-Kui Ahn.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050087 EUL timing and the number of HARQ processes (Panasonic)

15/02/2005 14:20 Presented by Mr. Hidetoshi Suzuki.

Discussion (Question / Comment): It was commented that the Node B process has several calculation as compared with HSDPA.

Decision: This document was noted.

R1-050165 Number of HARQ processes & DL timing (QUALCOMM Europe)

15/02/2005 14:30 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050063 Number of HARQ processes (Samsung)

15/02/2005 14:50 Presented by Mr. Yongjun Kwak

Decision: This document was noted.

R1-050074 Number of H-ARQ processes for E-DCH (Nortel)

15/02/2005 15: 00 Presented by Ms. Evelyne Le Strat.

Discussion (Question / Comment): It was asked if the number of HARQ process is configurable, that is, has 2 options. The answer to the question was that the best way is one (fixed), but the configurable number is better from Network side.

Decision: This document was noted.

R1-050131 Number of HARQ processes (Siemens) (Revised from R1-050010)

15/02/2005 15:10 Presented by Dr. Thomas Chapman.

Decision: This document was noted.

On off-line discussion, the different proposals from different companies were summarized and the summary was informed from Nortel as follows:

1. E-AGCH

Nortel proposal

- RG based, 2ms TTI, per process : 2 ms
- RG based, 2ms TTI, per UE (AG applies to all processes): 2 ms
- Other cases : 2 or 10ms
 - RG based, 10 ms TTI (per UE)
 - Non RG based, 2ms TTI (does this case – RAN2??)
 - Non RG based 10ms TTI

Ericsson/Panasonic/Qualcomm/LG/Siemens/Samsung proposal (AGCH duration = TTI duration)

- RG based, 2ms TTI, per process : 2 ms
- RG based, 2ms TTI, per UE : 2ms (10ms AGCH would not be of interest as UL direction would be the blocking direction,????)
- RG based, 10ms TTI (per UE) : 10ms
- Non RG based, 2ms : 2ms
- Non RG based 10ms : 10 ms

Questions :

- Does the 2ms non RG based case apply ??
- If 2ms non RG based apply, can we mix 2ms and 10ms UEs in the same group ?

2. E-RGCH for non serving cell

Nortel proposal

- Non RG based : 2 or 10ms, probably one value only to be decided (depending on multi-bit overload)
- RG based : 2 or 10ms, probably one value only to be decided (depending on hysteresis)

Generally : one value independently from TTI length possibly dependent on the scheduling type

Ericsson

- 10 ms only ??

Question :

Would 2ms lead to a power problem if the objective is to be received at cell edge.

Should we have the same non serving RG duration for RG based and non RG based ?

Panasonic ?

3. E-RGCH for serving cell

Nortel proposal

2ms independently of TTI length

LG proposal

2ms TTI : 2ms RGCH

10ms TTI : 2ms E-RGCH (TDM)

Ericsson/Panasonic proposal

2ms for 2ms TTI

10ms for 10ms TTI

Question : is power so much of a problem for E-HICH and E-RGCH ?

4. E-HICH

Nortel proposal

2ms TTI : 2ms E-HICH

10 ms TTI (2 cases identical from HARQ process numbers)

- 2ms E-HICH (TDM) (no reduction of RTT)
- 10 ms E-HICH

Siemens : 10ms TTI, 2ms E-HICH, "best" 2ms selected for RTT reduction.

LG proposal

2ms TTI : 2ms E-HICH

10 ms TTI : 2ms E-HICH (TDM) (no reduction of RTT)

Ericsson/Panasonic/Samsung/Qualcomm/Nokia proposal

2ms for 2ms TTI

10ms for 10ms TTI

- if power is an issue : for 10 ms TTI : 10ms E-HICH and 10 ms E-RGCH
- if power is "no" issue, RTT is not big issues but sequence/code management is : 2ms E-HICH, 2ms E-RGCH and TDM (selectable timing within 10ms frame)
- if power is "no" issue, RTT is an issue and sequence management no big problem : 2ms E-HICH, 2ms E-RGCH ("best" 2ms chosen within 10ms frame)

Discussion & Conclusion (Chairman's note)

1. Relation of EDCH TTI and Control channel duration

- AGCH
- RGCH(non-serving cell)
- RGCH(serving cell)
- HICH

Conclusions : (Agreed)

Using the excel sheet form Qualcomm

- 10EDCH TTI : 8ms HICH, 4 processes (conditional to split in 203)
- 2 EDCH TTI : 2ms HICH, 8 processes (conditional to split in 203)
- Control channels are sub-frame aligned
- Timing and duration of RGCH (non-serving cell) :
 - Duration : ~~(2ms)-8ms~~ 10ms – consequence is that the channel timing is not linked to a particular UE, process or TTI length.
 - Timing : Offset 2 slots relative to PCCPCH of the non-serving cell
- Timing and duration of HICH
 - Duration : 2ms HICH for 2ms EDCH, 8ms HICH for 10ms EDCH
 - Timing : Offset ~~0~~ 2 slots relative to PCCPCH (i.e. aligned with HS-PDSCH)
- Timing and duration of RGCH (serving cell) :
 - Duration : 2ms RGCH for 2ms EDCH, 8ms RGCH for 10ms EDCH (10ms EDCH : ~~(2ms or)-8ms~~ RGCH?)
 - Timing : Offset ~~0~~ 2 slots relative to PCCPCH(i.e. aligned with HS-PDSCH)
- Timing and duration of AGCH ?
 - Duration
 - ✧ RG based : same as EDCH TTI i.e. 2ms or 10ms, ~~2ms (and 10ms?)~~
 - ✧ Non RG based : 10ms AGCH, irrespective of EDCH TTI
 - Timing Offset 2 slots relative to PCCPCH (i.e. aligned with HS-PDSCH)

The above agreement was captured in specification with the following CRs.

R1-050206 25.211CR202(Rel-6, F)"E-HICH/E-RGCH/E-AGCH timing " **(Qualcomm Europe)**

18/02/2005 11:15 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment): There are some editorial errors: The number of specification on the cover sheet (214=>211), Double sub-clause 7.11.

Decision: This CR was revised in Tdoc R1-050217.

R1-050217 25.211CR202r1(Rel-6, F)"E-HICH/E-RGCH/E-AGCH timing " **(Qualcomm Europe)**

18/02/2005 14:00 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment):

Decision: ~~This CR was agreed~~ After the meeting, this document was revised in Tdoc R1-050223.

R1-050223 25.211CR202r2(Rel-6, F)" E-HICH/E-RGCH/E-AGCH timing "
(Qualcomm Europe)

Decision: ~~This CR was agreed~~ on the RAN1 reflector after the meeting

R1-050207 25.214CR369(Rel-6, B)" DL/UL timing assoication of E-DCH operation "
(Qualcomm Europe)

18/02/2005 11:40 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment): It was commented that E-AGCH duration for EDCH 10ms TTI could be 8 and 10ms. Remove "Note"

Decision: This CR was revised in Tdoc R1-050218.

R1-050218 25.214CR369r1(Rel-6, B)" DL/UL timing assoication of E-DCH operation "
(Qualcomm Europe)

18/02/2005 14:05 Presented by Mr. Serge Willenegger.

Discussion (Question / Comment):

Decision: ~~This CR was agreed~~ After the meeting, this document was revised in Tdoc R1-050224.

R1-050224 25.214CR369r2(Rel-6, B)" DL/UL timing assoication of E-DCH operation "
(Qualcomm Europe)

Decision: ~~This CR was agreed~~ on the RAN1 reflector after the meeting.

2. Timing relation on Control channels

- All aligned (to SFN, HS-DSCH, or other)
- Some aligned

3. Timing resolution of Control channels

- 3 slots, 1slot, 15 slots

RGCH/HICH timing are aligned, rounded with a resolution of 3 slots and offset with a multiple of 3 slots + x slots towards SFN.

AGCH is offset with a multiple of 3 slots + x slots towards SFN.

x=either 0 or 2 slots.

~~(i.e. subframe aligned with HS-DSCH). AGCH is subframe aligned with HS-DSCH~~

=> need a little bit more discussion for the x

4. UE/NodeB processing times

- UE :
- NodeB :

#HARQ processes for many possible combinations

- 2ms EDCH : 6-11
- 10ms EDCH : 3-5
- Additional processes for SHO?
- Configurable or fixed

For 10 ms E-DCH TTI:

1. 10ms E-HICH and 10 ms E-RGCH (#HARQ processes)
2. 2ms E-HICH, 2ms E-RGCH
 - "best from RTT" 2ms within 10ms frame
 - and TDM (selectable timing within 10ms frame)

UE processing time

- 3ms(2ms and 10ms), max 2Mbps for 10ms)
- 4 slots (2ms), 8slots/5.2ms (10ms)
- 3 slots(2ms), 9slots/6ms (10ms)

- 3 slots (2ms), 6 slots/4ms (10ms)
- Limit bitrate for 10ms to 2Mbps? 8 ms HICH?

From Qualcomm, the results of the offline discussion regarding the “Timing & HARQ” on Tuesday evening was informed by using Table 9-1, and in Thursday afternoon by using Table 9-2 updated from Table 9-1.

Table 9-1

Configuration	A10	A2	B10	B2
# HARQ processes	4	7	4	8
E-DCH TTI [ms]	10	2	10	2
E-HICH TTI [ms]	10	2	10	2
tau_ec0 [256 chips]	-60	90	-70	80
Tec [ms]	2	2	2	2
Constants				
RTT_max [chips]	1280	1280	1280	1280
To_min	876	876	876	876
To_max	1172	1172	1172	1172
UE Proc time [slot]				
Minimum	6.34	5.4	7.34	4.34
Maximum	9.36	6.36	10.36	7.36
UE Proc time [ms]				
Minimum	4.2	3.2	4.9	2.9
Maximum	6.2	4.2	6.9	4.9
BS Proc time [slot]				
Minimum	20.14	11.14	19.14	10.14
Maximum	23.16	11.16	22.16	13.16
BS Proc time [ms]				
Minimum	13.4	5.4	12.4	6.8
Maximum	15.4	7.4	14.8	8.8

Table 9-2

Configuration	C10	C2
# HARQ processes	4	8
E-DCH TTI [ms]	10	2
E-HICH TTI [ms]	8	2
tau_ec0 [256 chips]	-50	70
Tec [ms]	2	2
Constants		
RTT_max [chips]	1280	1280
To_min	876	876
To_max	1172	1172
Temp		
DCH TTI [chips]	38400	7680
DL TTI [chips]	30720	7680
Period [chips]	153600	61440
UE Proc time [slot]		
Minimum	8.34	5.34
Maximum	11.36	8.36
UE Proc time [ms]		
Minimum	5.56	3.56
Maximum	7.57	5.57
BS Proc time [slot]		
Minimum	21.14	9.14
Maximum	24.16	12.16
BS Proc time [ms]		

Minimum	14.1	6.1
Maximum	16.1	8.1

R1-050111 HARQ Operation Point (Siemens)
18/02/2005 15:00 Presented by Dr. Jurgen Michel.

Discussion (Question / Comment):
Decision: This document was noted.

R1-050112 Retransmission Power Optimisation (Siemens)
18/02/2005 15:00 Presented by Dr. Jurgen Michel.

Discussion (Question / Comment):
Decision: This document was noted.

R1-050200 EUL performance with de-boosting on E-DPDCH (QUALCOMM Europe)
18/02/2005 15:10 Presented by Dr. Durga Malladi

Discussion (Question / Comment): There were some discussions regarding the scaling mismatch, RoT overshoot results, and gain factor.
Decision: This document was noted.

R1-050210 EUL E-DPDCH De-boosting Result (Motorola)
18/02/2005 15:20 Presented by Mr. Robert Love.

Discussion (Question / Comment):
Decision: This document was noted.

R1-050122 Draft LS on Control of HARQ Operation (Siemens, Nokia, Philips)
18/02/2005 15:30 Presented by Dr. Jurgen Michel.

Discussion (Question / Comment): It was commented from some company that we should sent the LS and ask RAN2 to evaluate the complexity taking this scheme into consideration. Also from some companies, it was commented that we have not convinced the real gain of this scheme and should be clear.
Decision: No recommendation from RAN1 to go further with this feature.

Not Treated

- R1-050052 Efficiency of DL ACK** (Via Telecom) (=R1-041410)
- R1-050053 Selecting the Primary Node(s) for DL ACK** (Via Telecom) (=R1-041411)
- R1-050067 UE behaviour on RG from Non-serving RLS** (Alcatel)
- R1-050095 Definition and Signalling way of Time Duration** (Mitsubishi Electric)
- R1-050118 Comparative performance of dedicated vs. autonomous mode** (Motorola)
- R1-050119 Performance of EUL in Autonomous mode with and without hysteresis** (Motorola)
- R1-050120 Performance of EUL with and without happy bit** (Motorola)
- R1-050136 Relative Grant Step Size** (Siemens)
- R1-050147 Control over serving vs. non-serving E-DCH resource allocation** (NTT DoCoMo)

9.3 Measurements for RRM

On the Wednesday (16th) evening, RAN1/2/3/4 joint session on E-DCH RRM was held. The following RAN1 contributions were treated at the session.

R1-050155 RRM aspects of the Enhanced Uplink feature (Vodafone Group)
16/02/2005 Presented by Mr. Yannick Le Pezenec.

Decision: This document was noted.

R1-050062 UTRAN measurement for E-DCH RRM

(Samsung)

16/02/2005 Presented by Dr. Juho Lee.

Decision: This document was noted.

R1-050069 Radio resource control and measurement for HSUPA

(LG Electronics)

16/02/2005 Presented by Dr. Joon-Kui Ahn.

Decision: This document was noted.

R1-050088 Uplink EDCH/DCH resource allocation and measurement

(Panasonic)

16/02/2005 Presented by Dr Jinsong Duan.

Decision: This document was noted.

R1-050146 Measurement report of AG for common rate control (Autonomous ramping)

(NTT DoCoMo)

16/02/2005 Presented by Mr. Masafumi Usuda.

Decision: This document was noted.

The contributions from other WGs are as followed: R2-050348, R2-050397, R2-050436, R2-050437, R2-050438, R2-050449, R2-050511, R3-050097, R3-050254(R1-050175), R3-050218, R4-050201.

As the decision of the joint session, RAN1 Chairman summarized as follows (Tdoc R1-050208).

R1-050208 Notes of Joint Session on RRM EDCH

(RAN1 Chairman)

Decision: This document was noted.

Discussion & Conclusion for Measurements for RRM (Chairman's note)

Scheduler limits/targets

Set a limits to the NodeB & inaccuracy requirements for the scheduler

1. Total interference in the NodeB: RTWP or relative interference (e.g. RoT)
2. Power controlled part of the total interference or use of overload indicator triggering mechanism (RAN1/RAN2 to discuss)

Inaccuracy of scheduler operation

=> RAN4 should investigate how accurate the scheduler can follow the targets set by the RNC in x% of the time

New Measurements for admission control

Non GBR E-DCH:

- Nothing needed.

Non-scheduled GBR E-DCH:

- RNC rules, same as for DCH?
- GBR EDPDCH/DPCCH power ratio that is sent on AGCH? (reporting => RAN2)
- Interference headroom that can be used for additional GBR users? (RAN1)

DCH:

- Nothing needed in principle due to EUL.

Feasibility and accuracy of measurements

Not Treated

R1-050089 Long term solution for ping-pong effect

(Panasonic)

R1-050166 Measurement in support of RRM

(QUALCOMM Europe)

R1-050137 RRM for E-DCH

(Siemens) (Withdrawn)

R1-050143 Common measurement for E-DCH

(NEC) (Not Available)

9.4 UE categories (TS 25.306)

R1-050094 Proposal of UE categories for the Enhanced Uplink

(Vodafone Group, NTT DoCoMo)

17/02/2005 09:55 Presented by Mr. Yannick Le Pezenec.

Discussion (Question / Comment): There are some discussions regarding coding rate.

Decision: This document was noted.

R1-050106 E-DCH UE Categories

(Ericsson)

17/02/2005 10:10 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050121 UE Capability for EUL

(Motorola)

17/02/2005 10:15 Presented by Mr. Robert Love

Discussion (Question / Comment): There are some discussions regarding number of category and simultaneous process, signalling for the UE category. It was commented that the number of UE categories could be reduced from viewpoint of network.

Decision: This document was noted.

R1-050141 HSUPA UE Capabilities

(Nokia) (Revised from R1-050028)

17/02/2005 11:30 Presented by Mr. Karri Ranta-aho.

Discussion (Question / Comment):

From Samsung, limitation of DCH categories.

Decision: This document was noted.

R1-050167 E-DCH related UE categories

(QUALCOMM Europe)

17/02/2005 11:40 Presented by Mr. Serge Willenegger.

Decision: This document was noted.

Discussion & Conclusion for UE categories (Chairman's note)

1. Category definition (codes, TTI)

➤ 1xSF4, 2xSF4, 2xSF2, 2xSF2+2xSF4 =>Table 9-3

➤ Max coding rate=1 for the highest category, all other have max coding rate =0.75 (Agreed)

Simultaneous DCH: max 6 kbps (Agreed)

3. Joint with HSDPA or separate capabilities ->RAN2

4. SRB on EDCH->RAN2

Mr. RAN1 chairman drafted the category candidates as shown in Table 9-3 using the table on Qualcomm paper (R1-050167).

Table 9-3

Cat	Maximum E-DPDCH set	Support for 2 ms TTI – EDCH	Maximum transport block size for 10 ms TTI [bits]	Maximum transport block size for 2 ms TTI [bits]
1	SF4	No	7296	-
2	SF4	Yes	7296	1460
3	2xSF4	Yes	14592	2919
4	2xSF4	No	14592	-
5	2xSF2	Yes	20000	5837
6	2xSF2	No	20000	-
7	2xSF2 + 2xSF4	Yes	20000	8756
8	2xSF2 + 2xSF4	Yes	20000	11520

From operator side, it was commented that the number of categories should be reduced more, 6 categories is quite enough.

Conclusion

UE categories will be a subset of the categories/parameter combinations listed in the table.

Agreement on Cat 1, 3, 4, 5 and 8. No agreement whether cat 2, 6 and 7 are in or out, the most controversial issue being cat 2 and 6. The total number of categories should not exceed 6.

Status :

Cat 2 and 7 could be removed, no agreement on whether or not to have cat 6.

9.5 Interaction with other features

R1-050107 E-DCH and Compressed Mode (Ericsson)

17/02/2005 17:00 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050127 Interactions between HSUPA and compressed mode (Philips)

17/02/2005 17:15 Presented by Mr. Matthew Baker.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050135 Compressed Mode for EDCH (Siemens)

17/02/2005 17:30 Presented by Dr. Thomas Chapman.

Discussion (Question / Comment):

Decision: This document was noted.

R1-050144 Compressed mode handling (NEC)

17/02/2005 17:35 Presented by Ms. Nahoko Kuroda

Discussion (Question / Comment):

Decision: This document was noted.

R1-050107 : Schedule around the gap for 2ms TTI, SF/2 for 10ms TTI

R1-050127 : Schedule around the gap

R1-050135 : Schedule around the gap for 2ms TTI, "HLS" for 10ms TTI

R1-050144 : Schedule around the gap for 2ms TTI, SF/2 for 10ms TTI.

Discussion (Chairman's note)

E-DPDCH

- Relation with compression-technique related power increase with granted powers?
- How to deal with GBR? Temporary throughput decrease would need to be compensated with increased throughput =higher power
- Brute-force DTX
- No use of HARQ functionality : puncturing & HARQ retransmissions
- Method to choose : FFS

E-DPCCH : FFS

DL control channels : FFS

Not Available

R1-050149 TFC selection for EUDCH (NEC)

9.6 Enhanced Uplink CRs on the specifications

9.6.1 CRs for TS 25.211

R1-050148 Reserving Hadamard sequence to improve interference calculation for E-HICH/E-RGCH (NTT DoCoMo)

16/02/2005 10:00 Presented by Mr. Masafumi Usuda.

Discussion (Question / Comment): There are comments and questions regarding the reason for the couple with the Code Hopping. From NTT DoCoMo, it was informed that the simulation results will be provided.

Decision: This document was noted. It was decided that this topic can be considered at the next meeting if simulation results are available.

R1-050116 E-HICH/E-RGCH Peak Power Requirement (Motorola)

16/02/2005 10:10 Presented by Mr.

Decision: This document was noted.

R1-050090 E-HICH/E-RGCH Signature Sequences (Siemens)

R1-050183 E-HICH/E-RGCH Signature Sequences (Siemens) (Revision of R1-050090)

16/02/2005 10:25 Presented by Dr. Juergen Michel.

Decision: ~~This proposal was agreed.~~

R1-050091 25.211CR197(Rel-6, F)"E-HICH/E-RGCH Signature Sequences" (Siemens)

R1-050182 25.211CR197r1(Rel-6, F)"E-HICH/E-RGCH Signature Sequences" (Siemens) (Revision of R1-050091)

16/02/2005 10:25 Presented by Dr. Juergen Michel.

Decision: ~~This CR was agreed and captured by CR 25.211CR198r1 (Doc R1-050193).~~ (It is necessary to modify the cover page on "Proposed Change aspects")

R1-050103 E-RGCH/E-HICH Signature Sequences (Ericsson)

16/02/2005 11:25 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050104 25.211CR199(Rel-6, F)"E-RGCH/E-HICH Signature Sequences" (Ericsson)

16/02/2005 11:30 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050169 Structured and improved E-HICH/E-RGCH Signature Sequences (Huawei Technologies)

16/02/2005 11:25 Presented by Dr. Branislav Popovic.

Decision: This document was noted.

R1-050170 CR25.211-201(Rel-6, F) "E-HICH/E-RGCH Signature Sequences" (Huawei Technologies)

16/02/2005 11:25 Presented by Dr. Branislav Popovic.

Decision: This document was noted.

R1-050101 E-RGCH/E-HICH Sequence Hopping (Ericsson)

16/02/2005 11:40 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment): It was commented that it is difficult to do a good allocation to UEs and implementation.

Decision: This document was noted.

R1-050102 25.211CR198(Rel-6, F)"E-HICH/E-RGCH Signature Sequence Hopping" (Ericsson)

16/02/2005 11:40 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: This CR was revised with linked to R1-050182 in R1-050195.

R1-050195 25.211CR198r1(Rel-6, F)"E-HICH/E-RGCH Signature Sequence Hopping" (Ericsson)

18/02/2005 12:05 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: ~~This CR was agreed.~~ For Plenary, MCC modify the cover page with CR linked to Tdoc R1-050182.

R1-050187 Comparison of E-HICH/E-RGCH signature sequences (Ericsson)

16/02/2005 11:55 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

Discussion (Chairman's note)

- Sequence hopping or not?
 - Sequence hopping pattern with 3 slot periodicity. An exact fixed pattern will be chosen depending on the sequence selected.
- Sequence to replace the current on the specification is either
 - Ericsson proposal (CR R1-050104)
 - Siemens (CR R1-050183)
 - Huawei (CR R1-050170)
 - Different sequences are similar complexity wise

Regarding the above three sequence hopping, there was a long discussion. The comment was that now it was not possible to decide the best sequence because of the lack of the simulation results. Then, Mr. RAN1 Chairman proposed the following way forward.

Way Forward:

Sequence hopping with Siemens sequence is taken as basis for CRs to be drafted. Combinations of the other two sequences with hopping may be evaluated until 25 February. And if better performance is shown then the sequence will be changed. The corresponding CRs will be presented to RAN, sourced by RAN1.

During the meeting, regarding above issues, the CR from Siemens was agreed in Tdoc R1-050182 and the CR from Ericsson was agreed with captured the CR from Siemens in Tdoc R1-050195.

R1-050140 E-DPCCH performance in SHO: a comparison between CC and RM (Nokia)

16/02/2005 14:15 Presented by Mr. Karri Ranta-aho.

Decision: This document was noted.

R1-050117 E-DPCCH performance with energy detection vs. CRC (Motorola)

16/02/2005 14:25 Presented by Dr. Amitava Ghosh.

Decision: This document was noted.

R1-050142 Number of Absolute Grant bits transmitted on E-AGCH (Nokia) (=R2-050079)

16/02/2005 14:50 Presented by Mr. Karri Ranta-aho.

Decision: This document was noted.

R1-050168 E-AGCH aspects (QUALCOMM Europe)

16/02/2005 14:55 Presented by Mr. Serge Willenegger.

Decision: This document was noted.

R1-050109 E-AGCH Power Consumption (Ericsson)

16/02/2005 15:00 Presented by Dr. Stefan Parkvall.

Decision: This document was noted.

R1-050058 E-AGCH SF and channel coding

(Samsung)

16/02/2005 15:05 Presented by Dr Juho Lee.

Decision: This document was noted.

R1-050115 Performance of E-AGCH

(Motorola)

16/02/2005 15:10 Presented by Dr. Amitava Ghosh.

Decision: This document was noted.

Discussion (Chairman's note)

The difference of the four contributions:

Current 25.211/25.212, SF256, CC1/3, x bits.

R1-050168	SF256 CC1/3 <=7bit
R1-050058	SF128, CC1/3, 5.9bits
R1-050109	SF256 CC1/3, 7-8bits
R1-050115	SF256, CC1/3 Tailbiting <=10bits

In order to inform the results of discussion on E-AGCH, it was decided to make the draft LS to RAN2 in Tdoc R1-050193.

For RAN2 LS

With the current coding scheme, a total number of AGCH information bits should not exceed 7-8 information bits.

With modifications of the current coding scheme, the total number of bits might be increased to 9-10 information bits.

- The power ratio should be represented with 5 bits.
- Single process flag (1bit)
- Other bit needed by RAN2 (x bits)

R1-050193 Draft LS on E-AGCH contents

(Ericsson)

18/02/2005 12:10 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: ~~This draft LS was approved with modification in Tdoc R1-050219~~

R1-050219 LS on E-AGCH contents (To :RAN2)

(WG RAN1)

Not Treated.

R1-050054 25.211CR196(Rel-6, F)"Modify the alphabetic index of E-HICH and E-RGCH signature sequence" (ZTE) (Withdrawn)

R1-050071 25.211CR196(Rel-6, F)"Modify the alphabetic index of E-HICH and E-RGCH signature sequence" (ZTE)

9.6.2 CRs for TS 25.212

R1-050059 25.212CR198(Rel-6, F)"PLnon-max and PLmax"

(Samsung)

16/02/2005 16:30 Presented by Dr Juho Lee.

Discussion (Question / Comment): It was commented that the value of PLmax could be related to the UE categories.

Decision: The principle of this CR was agreed, and it was to revise the CR in accordance with the UE categories (e.g Pimax fro the highest category). Revision in Tdoc R1-050194

R1-050194 25.212CR198r1(Rel-6, F)"PLnon-max and PLmax" (Samsung,Nokia, Philips)

18/02/2005 12:15 Presented by Dr Juho Lee.

Discussion (Question / Comment):

Decision: ~~This CR was agreed~~ In order to informed this proposal and CR, the draft LS was made in Tdoc R1-050213.

R1-050213 [Draft] LS on support for higher layer signalling of Plnon-max value (Samsung)

18/02/2005 12:15 Presented by Dr Juho Lee.

Discussion (Question / Comment):

Decision: This draft LS was approved in Tdoc R1-050220.

**R1-050220 LS on support for higher layer signalling of Plnon-max value (To : RAN2, RAN3)
(WG RAN1)**

**R1-050055 25.212CR197(Rel-6, F)"Modify the description of CRC attachment for E-AGCH"
(ZTE) (Withdrawn)**

**R1-050072 25.212CR197(Rel-6, F)"Modify the description of CRC attachment for E-AGCH"
(ZTE)**

16/02/2005 16:55 Presented by Mr. Wang Chen.

Discussion (Question / Comment): It was commented that there are no problem on the current sentences in specification.

Decision: This CR was agreed.

R1-050108 25.212CR199(Rel-6, C)"HARQ bit collection for E-DCH" (Ericsson)

16/02/2005 17:00 Presented by Dr. Stefan Parkvall.

Decision: This CR was agreed.

Not Treated

R1-050164 CR25.212-201 (Rel-6, F)"E-AGCH channel coding specification" (Motorola)

9.6.3 CRs for TS 25.213

R1-050064 25.213CR72(Rel-6, F)"Correction on E-DPCCH power offset" (Samsung)

16/02/2005 17:00 Presented by Ms. Youn hyoung Heo.

Decision: This CR was agreed.

R1-050065 25.213CR73(Rel-6, F)"Defining E-DPDCH power offset" (Samsung)

16/02/2005 17:00 Presented by Ms. Youn hyoung Heo.

Decision: This CR was agreed. After the discussion of other topic, this CR was revised in Tdoc R1-050204 in order to catch up the results of the discussion.

R1-050204 25.213CR73r1(Rel-6, F)"Defining E-DPDCH power offset" (Samsung)

18/02/2005 14:00 Presented by Dr. Juho Lee.

Discussion (Question / Comment):

Decision: This CR was agreed.

9.6.4 CRs for TS 25.214

R1-050060 25.214CR362(Rel-6, F)"Gain factor setting for E-DCH" (Samsung)

16/02/2005 17:05 Presented by Dr. Juho Lee.

Discussion (Question / Comment): It was commented that which reference for E-TFC is not clear in this CR. There are some discussions regarding the power control.

Decision: This document was noted, and revised in Tdoc R1-050209.

R1-050209 25.214CR362r1(Rel-6, F)"Gain factor setting for E-DCH" (Samsung)

This document was revised in Tdoc R1-050215.

**R1-050215 25.214CR362r2(Rel-6, F)"Gain factor setting for E-DCH"
(Samsung, Nokia, Philips)**

18/02/2005 17:05 Presented by Dr. Juho Lee.

Discussion (Question / Comment):

Decision: This CR was agreed.

- R1-050126 Uplink DPCCCH power setting (Philips)**
R1-050185 CR25.214-367 Power ratio setting for UL physical channels in relation to E-DCH (Philips) (Revised of R1-050126)

17/02/2005 17:30 Presented by Mr. Matthew Baker.

Discussion (Question / Comment): Some companies concerned this power setting scheme. It was commented that it was difficult to get the power setting information in SHO case.

Decision: This document was noted.

- R1-050061 25.214CR363(Rel-6, F)"Power control at the maximum power limit" (Samsung)**

17/02/2005 09:15 Presented by Ms. Youn hyoung Heo.

Decision: The revised CR to be prepared for RAN1#40bis.

- R1-050197 25.214CR363r1(Rel-6, F)"Power control at the maximum power limit" (Samsung, Nokia, Ericsson) (Withdrawn)**

- R1-050139 UE behaviour when reaching the maximum tx power (Nokia)**

17/02/2005 09:18 Presented by Mr. Karri Ranta-aho.

Discussion (Question / Comment):

Decision: This document was noted.

Conclusion (Chairman's note)

First, E-DPDCH is scaled on sub-frame basis. Within the sub-frame, equal scaling.

- R1-050097 25.214CR364(Rel-6, F)"Reliable E-RGCH/E-HICH Detection" (Ericsson)**

17/02/2005 09:35 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment): It was commented that the performance should be checked from WG4 side.

Decision: This CR was revised in Tdoc R1-050198.

- R1-050198 25.214CR364r1(Rel-6, F)"Reliable E-RGCH/E-HICH Detection" (Ericsson)**

18/02/2005 14:40 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: This CR was agreed.

9.6.5 CRs for TS 25.215

There is no input.

10. IMS (RAB support enhancement work item)

R1-050156 ROHC Packet Handling Using RLC Segmentation and Concatenation

(Ericsson)

17/02/2005 18:20 Presented by Dr. Stefan Parkvall.

Discussion (Question / Comment):

Decision: This document was noted

11. Optimisation of downlink channelisation code utilisation (3.84 Mcps TDD)

R1-050163 **Out-of-sync detection for TDD HSDPA operation without an associated DL DPCH** (IPWireless)

R1-050196 **Out-of-sync detection for TDD HSDPA operation without an associated DL DPCH** (IPWireless)

This document will be sent and discussed on the reflector after the meeting.

Decision: This document was agreed on the RAN1 reflector after the meeting. As related to this document, the following CRs were also agreed on the RAN1 reflector after the meeting.

R1-050227 **CR25.221-118(Rel-6, B)"Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD"** (IPWireless)

Decision: This document was agreed on the RAN1 reflector after the meeting.

R1-050228 **CR25.224-141(Rel-6, B)"Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD"** (IPWireless)

Decision: This document was agreed on the RAN1 reflector after the meeting.

12. Optimisation of downlink channelisation code
utilisation (1.28 Mcps TDD)

**R1-050068 Tx Power requirements for Optimisation of DL Code Utilisation for TDD LCR
(UTStarcom, IPWireless)**

**R1-050189 Tx Power requirements for Optimisation of DL Code Utilisation for TDD LCR
(UTStarcom, IPWireless) (Revision of R1-050068)**

17/02/2005 18:25 Presented by Mr. Ka Leong Lo.

Discussion (Question / Comment): There are some discussions regarding smart antenna topic.

Decision: This document was noted.

13. Work Item on 7.68 Mcps TDD

R1-050157 7.68Mcps TDD option: work organisation (IPWireless)
17/02/2005 18:40 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment): The comment was that which WG is responsible for the stage 2.

Decision: This document was noted. It was decided to clarify responsibility for the stage at RAN#27

R1-050158 Draft TR: 7.68Mcps TDD option: physical layer (IPWireless)
17/02/2005 18:45 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment):

Decision: This document was agreed as Y1.1.0 as soon as TR number is available.

Not Treated

R1-050159 Draft TS: 7.68Mcps TDD Option; Overall Description: Stage 2 (IPWireless)

R1-050192 Draft TS: 7.68Mcps TDD Option; Overall Description: Stage 2 (IPWireless)
(Revised of R1-050159)

14. Study Item on TDD Enhanced Uplink

R1-050160 8-PSK for TDD Enhanced Uplink and text proposal for TR25.804 (IPWireless)
17/02/2005 18:55 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment): From InterDigital, this proposal has no problem and is a beneficial

Decision: This text proposal was agreed into TR

R1-050161 Text proposal on Node-B scheduling for TR25.804 (IPWireless)

R1-050190 Text proposal on Node-B scheduling for TR25.804 (IPWireless) (Revised of R1-050161)

17/02/2005 19:05 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment):

Decision: This text proposal was agreed into TR

R1-050162 Draft text on conclusions and recommendations for the TDD enhanced uplink SI (IPWireless)

17/02/2005 19:10 Presented by Mr. Nicholas Anderson.

Discussion (Question / Comment):

Decision: This text proposal was agreed into TR

R1-050212 TR25.804 v.1.0.1 (InterDigital)

Decision: This document was agreed as v1.1.0 with some editorial modification on the reflector after the meeting.

R1-050229 TR25.804 v.1.1.0 (InterDigital)

R1-050231 TR25.804 v.2.0.0 (InterDigital)

This document was submitted in RAN#27 for approval.

15. Review of RAN WG1 Terms of Reference

R1-050202 Review of WG RAN1 Terms of Reference

(RAN1 Chairman)

18/02/2005 14:30 Presented by Mr. Dirk Gerstenberger.

Decision: This document was endorsed.

16. Other Business

After the meeting, the number of TR 7.68Mcps TDD option: physical layer was assigned as 25.809.

17. Closing of the meeting : Friday 5.00 PM

18/02/2005 16: 00. The RAN1 chairman, Mr. Dirk Gerstenberger expressed his appreciation to the delegates and the host, the North American Friends for 3GPP for their works. The meeting was dismissed at this time.

Annex A: List of participants

Name	Organization represented	Status, partner	Phone	Email
Member of 3GPP (ARIB)				
Mr. Shinsuke Ogawa	NTT DoCoMo Inc.	3GPPMEMBER (ARIB)	+81-468-40-3530	Ogawa@cet.yrp.nttdocomo.co.jp
Dr. Jinsong Duan	Panasonic Mobile Comm.	3GPPMEMBER (ARIB)	+81 46 840 5369	Duan.jinsong@jp.panasonic.com
Mr. Hitoshi Iochi	Panasonic Mobile Comm.	3GPPMEMBER (ARIB)	+81 46 840 5329	iochi.hitoshi@jp.panasonic.com
Mr. Prem Sood	SHARP Corporation	3GPPMEMBER (ARIB)	+1 360 834 8708	plsi@sharplabs.com
Ms. Nahoko Kuroda	NEC Corporation	3GPPMEMBER (ARIB)	+81-44-396-2577	n-kuroda@cj.jp.nec.com
Mr. Tsukasa Sasaki	Fujitsu Limited	3GPPMEMBER (ARIB)	+81 44 754 8511	t.sasaki@jp.fujitsu.com
Mr. Noriyuki FUKUI	Mitsubishi Electric Co.	3GPPMEMBER (ARIB)	+81467 41 2885	n-fukui@isl.melco.co.jp
Mr. Hideji Wakabayashi	Mitsubishi Electric Co.	3GPPMEMBER (ARIB)	+81468476013	h.wakaba@cew.melco.co.jp
Mr. Youngbum Kim	Samsung Electronics Co., Ltd.	3GPPMEMBER (ARIB)	+82-31-279-5092	Youngbum.kim@samsung.com
Ms. Youn hyoung Hoe	Samsung Electronics Co., Ltd.	3GPPMEMBER (ARIB)	+82-31-279-5362	Hush.heo@samsung.com
Mr. Elias Jonsson	Nippon Ericsson K.K.	3GPPMEMBER (ARIB)	+46 46 23 15 75	Elias.jonsson@ericsson.com
Mr. Anil Umesh	NTT DoCoMo Inc.	3GPPMEMBER (ARIB)	+81 468 40 3190	umesh@wsp.yrp.nttdocomo.co.jp
Mr. Benoist Sébire	Nokia Japan Co, Ltd	3GPPMEMBER (ARIB)	+8613801309020	benoist.sebire@nokia.com
Member of 3GPP (ATIS)				
Dr. Stefan Parkvall	Ericsson Inc.	3GPPMEMBER (ATIS)	+46 8 58533855	stefan.parkvall@ericsson.com
Mr. Donald E. Zelmer	Cingular Wireless LLC	3GPPMEMBER (ATIS)	+1 404 236 5912	don.zelmer@cingular.com
Mr. Karri Ranta-aho	NOKIA Telecommunications Inc	3GPPMEMBER (ATIS)	+358 50 521 0651	Karri.Ranta-aho@nokia.com
Member of 3GPP (CCSA)				
Ms. Sha Ma	HuaWei Technologies Co., Ltd	3GPPMEMBER (CCSA)	+86-10-82882755	marsha@huawei.com
Mrs. Ning He	Nanjing Ericsson Panda Com Ltd	3GPPMEMBER (CCSA)	+46 8 7575578	ning.he@ericsson.com
Dr. Robert Karlsson	ZTE Corporation	3GPPMEMBER (CCSA)	+46 8 5552 8977	Robert.karlsson@ztewistron.com
Mr. Zhisong Zuo	ZTE Corporation	3GPPMEMBER (CCSA)	+86 755 26771477	zuo.zhisong@zte.com.cn
Member of 3GPP (ETSI)				
Mr. Uwe Baeder	ROHDE & SCHWARZ	3GPPMEMBER (ETSI)	+49 89 4129 13462	Uwe.Baeder@rsd.rohde-schwarz.com
Mr. Vincent Belaiche	MELCO MOBILE COMMUNICATIONS	3GPPMEMBER (ETSI)	+33 2 99 27 47 70	vincent.belaiche@mmce.mee.com

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

Mr. Hyung-Nam Choi	INFINEON TECHNOLOGIES	3GPPMEMBER (ETSI)	+49-5341-9061812	Hyung-Nam.Choi@infineon.com
Ms. Evelyne Le Strat	Nortel	3GPPMEMBER (ATIS)	+ 33 1 39 44 53 39	elestrat@nortel.com
Ms. Liliana Czaplá	INTERDIGITAL COMMUNICATIONS	3GPPMEMBER (ETSI)	+1 631 622 4358	liliana.czaplá@interdigital.com
Mr. Uwe Doetsch	ALCATEL S.A.	3GPPMEMBER (ETSI)	+49 711821 47176	Uwe.doetsch@alcatel.de
Mr. Dirk Gerstenberger	ERICSSON LM	3GPPMEMBER (ETSI)	+46 8 585 33901	dirk.gerstenberger@ERICSSON.COM
Dr. Amitabha Ghosh	MOTOROLA Ltd	3GPPMEMBER (ETSI)	+1 8476324121	qa0047@email.mot.com
Mr. Mark Harrison	MOTOROLA GmbH	3GPPMEMBER (ETSI)	+18172456259	mark.harrison@motorola.com
Dr. Joern Krause	SIEMENS AG	3GPPMEMBER (ETSI)	+49-30-386-23417	joern.krause@siemens.com
Mr. Yannick Le Pezennec	VODAFONE Group Plc	3GPPMEMBER (ETSI)	+447748938886	Yannick.LePezennec@vodafone.com
Mr. Yongjun Kwak	SAMSUNG Electronics	3GPPMEMBER (ETSI)	+82-31-279-5112	evatt@samsung.com
Dr. Branislav Popovic	Huawei	3GPPMEMBER (ETSI)	+46 8 477 0808	Branislav.popovic@huawei.com
Mr. Philip Booker	Siemens NV/SA BELGIUM ETSI	3GPPMEMBER (ETSI)	+44 1794 833227	philip.booker@roke.co.uk
Dr. Thomas Chapman	Siemens Mobile	3GPPMEMBER (ETSI)	+44 1094 833241	thomas.chapman@roke.co.uk
Mr. Heino Geilach	Siemens Communications	3GPPMEMBER (ETSI)	+49 89 722 57569	heino.gerlach@simens.com
Dr. Baijun Zhao	UTStarcom	3GPPMEMBER (ETSI)	+86 138 2363 1996	baijun.zhao@utstarcom.com
Mr. Ka Leong Lo	UTStarcom	3GPPMEMBER (ETSI)	+86755 26952899	kaleong.lo@utstarcom.com
Mr. Robert Love	MOTOROLA Ltd	3GPPMEMBER (ETSI)	+1 847 523 3702	qa2178@email.mot.com
Dr. Durga Malladi	QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER (ETSI)	+1 858 651 2288	dmalladi@qualcomm.com
Dr. Jürgen Michel	SIEMENS AG	3GPPMEMBER (ETSI)	+49 89 722 49911	michel.juergen@siemens.com
Mr. Dirk Kistowski	T-Mobile International	3GPPMEMBER (ETSI)	+49 228 936 18419	dirk.kistowski@t-mobile.de
Mrs. Nadege Noisette	ORANGE SA	3GPPMEMBER (ETSI)	+33 1 45 29 44 02	nadege.noisette@francetelecom.com
Mr. Alessandro Pace	TELECOM ITALIA S.p.A.	3GPPMEMBER (ETSI)	+390639009044	apace@mail.tim.it
Mr. Enrico Buracchini	TELECOM ITALIA S.p.A.	3GPPMEMBER (ETSI)	+390112287118	Enrico.buracchini@tilab.com
Mr. Ville Steudle	NOKIA UK Ltd	3GPPMEMBER (ETSI)	+358 50 307 3923	ville.steudle@nokia.com
Mr. Hidetoshi Suzuki	PANASONIC R&D Center Germany	3GPPMEMBER (ETSI)	+81 468 40 5164	Suzuki.Hidetoshi@jp.panasonic.com
Mr. Markku Tarkiainen	NOKIA Corporation	3GPPMEMBER (ETSI)	+358 50 518 3406	markku.tarkiainen@nokia.com
Mrs. Carolyn Taylor	MOTOROLA Ltd	3GPPMEMBER (ETSI)	+1 847 523 0458	carolyn.taylor@motorola.com
Mr. Serge Willenegger	QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER (ETSI)	+41 244 363 541	sergew@qualcomm.com
Mr. Nicholas Anderson	IPWireless	3GPPMEMBER (ETSI)	+44 1249 800020	nanderson@ipwireless.com
Miss Eliza Wong	ALCATEL S.A.	3GPPMEMBER (ETSI)	+33130775698	eliza.wong@alcatel.fr
Dr. Rainer Bachl	Lucent Technologies	3GPPMEMBER (ETSI)	+49 911 526 2656	Rbachl@lucent.com
Mr. Matthew Baker	Philips Semiconductors Sophia	3GPPMEMBER (ETSI)	+44 1293 815287	Bakerm2@prl.research.philips.com
Mr. Chris Barroso	Freescale Semiconductors	3GPPMEMBER (ETSI)	+1 512 996 4209	Chris.Barroso@freescale.com
Mr. Eric Fablet	Freescale Semiconductors	3GPPMEMBER (ETSI)	+33 5 61 19 12	eric.fablet@freescale.com
Dr. Stefan Brueck	Lecent Technologies	3GPPMEMBER (ETSI)	+49 911 526 4834	sbrueck@lucent.com
Mr. Alfonso Campo	Top Optimized Technologies S.L.	3GPPMEMBER (ETSI)	+34 619 233378	Alfonso.campo@optimizedtech.ney

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

Mr. Alvaro Lopez medrano	Top Optimized Technologies S.L	3GPPMEMBER (ETSI)	+34 647 608403	alvaro.lopez-medrano@optimizedtech.ney
Dr. Luis Mendo	Top Optimized Technologies S.L	3GPPMEMBER (ETSI)	+915495700	lmendo@grc.ssr.upm.es
Dr. Stamatis Georgoulis	UbiNetics Ltd	3GPPMEMBER (ETSI)	+44 1763 267317	Stamatis.georgoulis@ubinetics.com
Mr. Asbjorn Grovlen	NOKIA Corporation	3GPPMEMBER (ETSI)	+358 405642489	Asbjorn.grovlen@nokia.com
Mr. Arik Gubeskys	Freescale Semiconductor Israel	3GPPMEMBER (ETSI)	+972 9 9522681	Arik.gubeskys@freescale.com
Ms. Mariana Lyu	Research in Motion Limited	3GPPMEMBER (ETSI)	+1 972 870 4370	mlyu@rim.com
Mr. Diptendu Mitra	Telecom Modus Ltd.	3GPPMEMBER (ETSI)	+44 1372 381 812	Diptendu.mitra@t-modus.nec.co.uk
Dr. Tarik Muharemovic	TEXAS Instruments	3GPPMEMBER (ETSI)	+1 214 567 5853	tarik@ti.com
Mr. Mark Murphy	TTP Communication plc	3GPPMEMBER (ETSI)	+44 1763 266266	mark.murphy@ttpcom.com
Dr. Manook Soghomonian	3	3GPPMEMBER (ETSI)	+44 1279 464200	Manook.Soghomonian@THREE.CO.UK
Mr. Alex Margulis	Intel Corporation SARL	3GPPMEMBER (ETSI)	+972 3 920 7024	Alex.margulis@intel.com
Member of 3GPP (TTA)				
Dr. Joon-Kui Ahn	LG Electronics Inc.	3GPPMEMBER (TTA)	+82-31-450-4131	jkan@lge.com
Dr. Sung Lark Kwon	LG Electronics Inc.	3GPPMEMBER (TTA)	+82-31-450-2908	slkwon@lge.com
Dr. Juho Lee	Samsung Electronics Co., Ltd	3GPPMEMBER (TTA)	+82-31-279 5115	Juho95.lee@samsung.com
Mr. Ilgyu Kim	ETRI	3GPPMEMBER (TTA)	+82-42-860-5490	igkim@etri.re.kr
Mr. Bong Hoe Kim	LG Electronics Inc.	3GPPMEMBER (TTA)	+82 343 450 4131	ofdm88@lge.com
Mr. Dong Wook Roh	LG Electronics Inc.	3GPPMEMBER (TTA)	+82 31 450 2906	dwroh@lge.com
Mr. Yujian Zhang	Samsung Electronics Co., Ltd	3GPPMEMBER (TTA)	+86 10 684277112	yujian.zhang@samsung.com
Mr. Dragan Vujcic	LG Electronics Inc.	3GPPMEMBER (TTA)	+33 1 41 59 93 78	dvujcic@lge.com
Mr. Kyung Park	ETRI	3GPPMEMBER (TTA)	+82 42 860 1836	kyungp@etri.re.kr
Member of 3GPP (TTC)				
Mr. Mikhail Shnaider	NEC Corporation	3GPPMEMBER (TTC)	+(61 3) 92714042	mikhail@3g.nec.com.au
Mr. Masafumi Usuda	NTT DoCoMo Inc.	3GPPMEMBER (TTC)	+81 468 40 3190	usuda@wsp.yrp.nttdocomo.co.jp
Organisation partner representative				
Mr. Yoshikazu Ishii	Mobile Competence Centre	ETSI	+33 4 92 93 42 06	ishii.yoshikazu@etsi.org

Annex B: TSG RAN WG1 meetings in 2005

TITLE	TYPE	DATES	LOCATION	CTRY
<u>3GPPRAN1#40</u>	<u>WG</u>	14 - 18 Feb 2005	Scottsdale	USA
<u>3GPPRAN1#40bis</u>	<u>WG</u>	04 - 08 April 2005	Beijing	China
<u>3GPPRAN1#41</u>	<u>WG</u>	09 - 13 May 2005	Athens	GR
<u>3GPPRAN1#42</u>	<u>WG</u>	29 Aug -02 Sept 2005	London	UK
<u>3GPPRAN1#43</u>	<u>WG</u>	07 - 11 Nov 2005	TBD	Asia

MEETING TYPES	
AH = Ad Hoc	CM = Chairmen's meeting
JM = Joint	OR = Ordinary
PM = Preparatory Meeting	RG = Rapporteurs Group
RM = Resolution Meeting	SG = Steering Group
ST = Startup Meeting	TG = Task Group
WG = Working Group	XO = Extraordinary

Annex C: List of CRs agreed at RAN1#40

Spec	CR	R	Cat	Rel	R1 Tdoc	Title	Work Item
25.211	200	1	B	Rel-6	R1-050178	Introduction of F-DPCH without pilot field	RANimp-RABSE-CodeOptFDD
25.212	193	1	B	Rel-6	R1-050080	Introduction of F-DPCH	RANimp-RABSE-CodeOptFDD
25.213	70	1	B	Rel-6	R1-050081	Introduction of F-DPCH	RANimp-RABSE-CodeOptFDD
25.214	368	1	B	Rel-6	R1-050179	Introduction of F-DPCH without pilot field	RANimp-RABSE-CodeOptFDD
25.215	155	-	B	Rel-6	R1-050133	Introduction of F-DPCH without pilot field	RANimp-RABSE-CodeOptFDD
25.215	150	1	C	Rel99	R1-050110	Removal of TGPL2	TEI
25.215	151	1	C	Rel-4	R1-050110	Removal of TGPL2	TEI
25.215	152	1	C	Rel-5	R1-050110	Removal of TGPL2	TEI
25.215	153	1	C	Rel-6	R1-050110	Removal of TGPL2	TEI
25.214	354	3	C	Rel-6	R1-050201	Timing maintained Hard Handover	TEI6
25.214	355	2	B	Rel-6	R1-050173	Faster L1 DCH synchronization	TEI6
25.214	365	-	F	Rel-5	R1-050113	Correction to computed gain factors quantization	TEI5
25.215	147	4	B	Rel-6	R1-050114	Introduction of 'DL Transmission Branch Load' measurement	TEI6
25.215	154	-	F	Rel-6	R1-050082	Clarification of cell on SFN-SFN observed time difference	TEI
25.224	140	2	C	Rel-6	R1-050096	Improvements to uplink closed-loop power control for 1.28Mcps TDD	LCRTDD-Phys
25.211	197	1	F	Rel-6	R1-050182	E-HICH/E-RGCH Signature Sequences	EDCH-Phys
25.211	198	1	F	Rel-6	R1-050195	E-HICH/E-RGCH Signature Sequence Hopping	EDCH-Phys
25.211	202	2	F	Rel-6	R1-050223	E-HICH/E-RGCH/E-AGCH timing	EDCH-Phys
25.212	198	1	F	Rel-6	R1-050194	PLnon-max and PLmax	EDCH-Phys
25.212	199	-	C	Rel-6	R1-050108	HARQ bit collection for E-DCH	EDCH-Phys
25.213	72	-	F	Rel-6	R1-050064	Correction on E-DPCCH power offset	EDCH-Phys
25.213	73	1	F	Rel-6	R1-050204	Defining E-DPDCH power offset	EDCH-Phys
25.214	362	2	F	Rel-6	R1-050215	Gain factor setting for E-DCH	EDCH-Phys
25.214	364	1	F	Rel-6	R1-050198	Reliable E-RGCH/E-HICH Detection	EDCH-Phys
25.214	369	2	F	Rel-6	R1-050224	DL/UL timing association of E-DCH operation	EDCH-Phys
25.221	118	-	B	Rel-6	R1-050227	Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD	RANimp-RABSE-CodeOptTDD
25.224	141	-	B	Rel-6	R1-050228	Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD	RANimp-RABSE-CodeOptTDD

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

Note : The CRs in Tdoc R1-050223, R1-050224, R1-050227 and R1-050228 were agreed on the RAN1 reflector after the meeting. After the meeting, the category of CR 140r2 for TS25.224 in R1-050096 was changed from TEI6 to LCRTDD-phys for RAN#27 proposal.

Annex D: List of Outgoing LSs to 3GPP other groups

NUMBER	TITLE	To	Cc
R1-050191	LS on Introduction of Fractional DPCH	RAN2, RAN3, RAN4	
R1-050216	LS on Faster L1 DCH synchronization	RAN4	
R1-050219	LS on E-AGCH contents	RAN2	
R1-050220	LS on support for higher layer signalling of PLnon-max value	RAN2, RAN3	
R1-050221	Reply LS on alignment of MBMS transport channels	RAN3	RAN2
R1-050222	LS on MBMS UE capability	RAN2, RAN3, RAN4	

Annex E: List of Tdocs at RAN1 #40

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050035	Draft Agenda	RAN1 Chairman	2		14/02/2005	Approved
R1-050036	Reply LS on parameter set for PS streaming reference radio bearer combination with downlink rate up to 128 kbps (To ; T1, Cc ; RAN1)	WG RAN2	5	=R2-042698	14/02/2005	Noted
R1-050037	Reply LS on Synchronisation of FDD MBMS P-t-M Transmissions from Clusters of Cells (To ; RAN3, Cc ; RAN1, RAN4)	WG RAN2	5	=R2-042706	14/02/2005	Noted
R1-050038	LS on Layer 1 synchronization procedure (To ; RAN1, Cc ; RAN3, RAN4)	WG RAN2	5	=R2-050249	14/02/2005	Noted
R1-050039	LS on Radio link failure criteria on Fractional DPCH (To ; RAN3, RAN4, Cc ; RAN1)	WG RAN2	5	=R2-050300	14/02/2005	Noted
R1-050040	DRAFT Report of 3GPP TSG RAN WG1 #39	RAN1 Secretary	3		14/02/2005	Approved
R1-050041	Summary from TSG RAN#26	RAN1 Chairman	4		14/02/2005	Noted
R1-050042	25.211CR194r2(Rel-6, B)"Introduction of F-DPCH"	Nortel	8			Withdrawn
R1-050043	25.212CR193r1(Rel-6, B)"Introduction of F-DPCH"	Nortel	8			Withdrawn
R1-050044	25.213CR70r1(Rel-6, B)"Introduction of F-DPCH"	Nortel	8			Withdrawn
R1-050045	25.214CR357r2(Rel-6, B)"Introduction of F-DPCH"	Nortel	8			Withdrawn
R1-050046	25.215CR148r2(Rel-6, B)"Introduction of F-DPCH"	Nortel	8			Withdrawn
R1-050047	Addition of support for BTFD in flexible position multiplexing of transport channels (include CR)	Mitsubishi Electric(MMCE)	8	(R1-041312)	15/02/2005	Noted. As the conclusion of the R1-050047 and R1-050048, there was no agreement from the group to introduce this feature in the specifications.
R1-050048	Gain of BTFD in flexible position multiplexing of transport channels	Mitsubishi Electric(MMCE)	8	(R1-041478)	15/02/2005	Noted
R1-050049	Minutes from RAN1 Conference Call #1 on Scheduling and HARQ	RAN1 Chairman	9.1	(R1-050022)	15/02/2005	Noted

3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050050	Minutes from RAN1 Conference Call #2 on NodeB measurements and interaction with RNC admission/congestion control and RRM with EUL	RAN1 Chairman	9.1	(R1-050027)	16/02/2005	Noted
R1-050051	Minutes from RAN1 Conference Call #3 on UE categories for EUL	RAN1 Chairman	9.1	(R1-050033)	15/02/2005	Noted
R1-050052	Efficiency Analysis of DL ACK Structures	Via Telecom	9.2	= R1-041410		Not Treated
R1-050053	Selecting the Primary Node(s) for DL ACK	Via Telecom	9.2	= R1-041411		Not Treated
R1-050054	25.211CR196(Rel-6, F)"Modify the alphabetic index of E-HICH and E-RGCH signature sequence"	ZTE	9.6.1			Withdrawn
R1-050055	25.212CR197(Rel-6, F)"Modify the description of CRC attachment for E-AGCH"	ZTE	9.6.2			Withdrawn
R1-050056	Timing of E-HICH and number of HARQ processes	ZTE	9.2		15/02/2005	Noted
R1-050057	TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v1.0.1	Editor (Nokia)	9		15/02/2005	Agreed as version 1.1.0 in Tdoc R1-050188.
R1-050058	E-AGCH SF and channel coding	Samsung	9.6.2		16/02/2005	Noted
R1-050059	25.212CR198(Rel-6, F)"PLnon-max and PLmax"	Samsung	9.6.2		16/02/2005	The principle of this CR was agreed, and it was to revise the CR in accordance with the UE categories (e.g Pimax fro the highest category) in Tdoc R1-050194
R1-050060	25.214CR362(Rel-6, F)"Gain factor setting for E-DCH"	Samsung	9.6.4		16/02/2005	Revised in Tdoc R1-050209
R1-050061	25.214CR363(Rel-6, F)"Power control at the maximum power limit"	Samsung	9.6.4		17/02/2005	The revised CR to be prepared for RAN1#40bis.
R1-050062	UTRAN measurement for E-DCH RRM	Samsung	9.3		16/02/2005	Noted
R1-050063	Number of HARQ processes	Samsung	9.2		15/02/2005	Noted
R1-050064	25.213CR72(Rel-6, F)"Correction on E-DPCCH power offset"	Samsung	9.6.3		16/02/2005	Agreed
R1-050065	25.213CR73(Rel-6, F)"Defining E-DPDCH power offset"	Samsung	9.6.3		16/02/2005	Agreed. After the discussion of other topic, this CR was revised in Tdoc R1-050204
R1-050066	Optimization of Outer Loop Power Control for F-DPCH	Top Optimized Technologies	8		14/02/2005	Noted
R1-050067	UE behaviour on RG from Non-serving RLS	Alcatel	9.2			Not Treated

3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050068	Tx Power requirements for Optimisation of DL Code Utilisation for TDD LCR	UTSarcom, IPWireless	12			Revised in Tdoc R1-050189
R1-050069	Radio resource control and measurement for HSUPA	LG Electronics	9.3		16/02/2005	Noted
R1-050070	Timing and the number of HARQ processes for HSUPA	LG Electronics	9.2		15/02/2005	Noted
R1-050071	25.211CR196(Rel-6, F)"Modify the alphabetic index of E-HICH and E-RGCH signature sequence"	ZTE	9.6.1			Not treated
R1-050072	25.212CR197(Rel-6, F)"Modify the description of CRC attachment for E-AGCH"	ZTE	9.6.2		16/02/2005	Not agreed
R1-050073	Relative timing of downlink signaling channels for E-DCH	Nortel	9.2		15/02/2005	Noted
R1-050074	Number of H-ARQ processes for E-DCH	Nortel	9.2		15/02/2005	Noted
R1-050075	DRAFT Report of 3GPP TSG RAN WG2 #45	RAN2 Secretary	3	= R2-050233	14/02/2005	RAN1/2 Joint session part was approved
R1-050076	25.214CR357r2(Rel-6, B)"Introduction of F-DPCH "	Nortel	8	(R1-041523)	14/02/2005	Noted
R1-050077	25.215CR148r2(Rel-6, B)"Introduction of F-DPCH "	Nortel	8	(R1-041524)	14/02/2005	Noted
R1-050078	E-DCH timing	Lucent	9.2		15/02/2005	Noted
R1-050079	25.211CR194r2(Rel-6, B)"Introduction of F-DPCH "	Nortel	8	(R1-041522)	14/02/2005	Noted
R1-050080	25.212CR193r1(Rel-6, B)"Introduction of F-DPCH "	Nortel	8	(R1-041307)	14/02/2005	Agreed
R1-050081	25.213CR70r1(Rel-6, B)"Introduction of F-DPCH "	Nortel	8	(R1-041308)	14/02/2005	Agreed
R1-050082	25.215CR154(Rel-6, F)"Clarification of cell on SFN-SFN observed time difference"	Panasonic	6.4		14/02/2005	Agreed. It was decided to consider possibility for CRs to the earlier releases (R99...) at RAN Plenary as company proposal.
R1-050083	MBMS UE capability	Panasonic	7		14/02/2005	Noted
R1-050084	Void					
R1-050085	Void					
R1-050086	Void					
R1-050087	EUL timing and the number of HARQ processes	Panasonic	9.2		15/02/2005	Noted

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050088	Uplink EDCH/DCH resource allocation and measurement	Panasonic	9.3		16/02/2005	Noted
R1-050089	Long term solution for ping-pong effect	Panasonic	9.3			Not treated
R1-050090	E-HICH/E-RGCH Signature Sequences	Siemens	9.6.1			Revised in Tdoc R1-050183
R1-050091	25.211CR197(Rel-6, F)"E-HICH/E-RGCH Signature Sequences"	Siemens	9.6.1			Revised in Tdoc R1-050182
R1-050092	TTI reordering with measurement gaps of 10 and 20 ms	Siemens	7		14/02/2005	Noted
R1-050093	Draft LS on TTI reordering	Siemens	7		14/02/2005	Noted
R1-050094	Proposal of UE categories for the Enhanced Uplink	Vodafone Group, NTT DoCoMo	9.4		17/02/2005	Noted
R1-050095	Definition and Signalling way of Time Duration	Mitsubishi Electric	9.2			Not treated
R1-050096	25.224CR140r2(Rel-6, C) "Improvements to uplink closed-loop power control for 1.28Mcps TDD"	IPWireless	6.4		14/02/2005	Agreed
R1-050097	25.214CR364(Rel-6, F)"Reliable E-RGCH/E-HICH Detection"	Ericsson	9.6.4		17/02/2005	Revised in Tdoc R1-050198
R1-050098	F-DPCH Power control	Ericsson	8		14/02/2005	Noted
R1-050099	25.214CR354r2(Rel-6, C)"Timing maintained Hard Handover"	Ericsson	6.4		14/02/2005	This CR was revised in Tdoc R1-050201.
R1-050100	25.214CR355r1(Rel-6, B)"Faster L1 DCH synchronization"	Ericsson	6.4		14/02/2005	It was decided to replace Qpost with Qout, and should be reconfirm with RAN2 about indication of the post-sync-failure (depends on RAN2 discussion). Revision 2 of the CR in tdoc R1-050173.
R1-050101	E-RGCH/E-HICH Sequence Hopping	Ericsson	9.6.1		16/02/2005	Noted
R1-050102	25.211CR198(Rel-6, F)"E-RGCH/E-HICH Sequence Hopping"	Ericsson	9.6.1		16/02/2005	Revised with linked to R1-050182 in R1-050195.
R1-050103	E-RGCH/E-HICH Signature Sequences	Ericsson	9.6.1		16/02/2005	Noted
R1-050104	25.211CR199(Rel-6, F)"E-RGCH/E-HICH Signature Sequences"	Ericsson	9.6.1		16/02/2005	Noted
R1-050105	E-DCH Downlink Timing Relations	Ericsson	9.2			Revised in Tdoc R1-050186
R1-050106	E-DCH UE Categories	Ericsson	9.4		17/02/2005	Noted
R1-050107	E-DCH and Compressed Mode	Ericsson	9.5		17/02/2005	Noted

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050108	25.212CR199(Rel-6, C)"HARQ bit collection for E-DCH"	Ericsson	9.6.2		16/02/2005	Agreed
R1-050109	E-AGCH Contents and Power Consumption	Ericsson	9.2		16/02/2005	Noted
R1-050110	25.215CR150r1(Rel99, C),CR151r1(Rel-4, A), CR152r1(Rel-5, A), CR153r1(Rel-6, A) "Removal of TGPL2"	Ericsson, Samsung	6.1		14/02/2005	Technically agreed
R1-050111	HARQ Operation Point	Siemens	9.2	(R1-050003)	18/02/2005	Noted
R1-050112	Retransmission Power Optimisation	Siemens	9.2	(R1-050004)	18/02/2005	Noted
R1-050113	25.214CR365(Rel-5, F), CR366(Rel-6, A) "Correction to computed gain factors quantization"	QUALCOMM Europe	6.3		14/02/2005	Only Rel-5 was agreed, but Rel-6 was not agreed.
R1-050114	25.215CR147r4"Introduction of 'DL Transmission Branch Load' measurement"	Siemens	6.4	(R1-041494)	14/02/2005	Agreed
R1-050115	Performance of E-AGCH	Motorola	9.6.2		16/02/2005	Noted
R1-050116	E-HICH/E-RGCH Peak Power Requirement	Motorola	9.6.1		16/02/2005	Noted
R1-050117	E-DPCCH performance with energy detection vs. CRC	Motorola	9.6.2		16/02/2005	Noted
R1-050118	Comparative performance of dedicated and autonomous modes	Motorola	9.2			Not treated
R1-050119	Performance of EUL in Autonomous mode with and without hysteresis	Motorola	9.2			Not treated
R1-050120	Performance of EUL with and without happy bit	Motorola	9.2			Not treated
R1-050121	UE Capabilities for EUL	Motorola	9.4		17/02/2005	Noted
R1-050122	Draft LS on Control of HARQ Operation	Siemens, Nokia, Philips	9.2		18/02/2005	Noted. No recommendation from RAN1 to go further with this feature
R1-050123	LS on Details on MCCH (To ; RAN4, Cc ; RAN1)	WG-RAN2	5	= R2-050307	14/02/2005	Noted
R1-050124	LS on reference cell in SFN-SFN observed time difference measurement (To : RAN1, Cc : RAN2)	WG-T1	5	= T1-050483	14/02/2005	Noted
R1-050125	LS on modified parameters for 5.9 speech radio bearer 6.10.2.4.1.9 in 34.108 (To ; RAN1, RAN2)	WG-T1	5	= T1-050490	14/02/2005	Noted
R1-050126	Uplink DPCCH power setting	Philips	9.6.4			Revised in Tdoc R1-050185
R1-050127	Interactions between HSUPA and compressed mode	Philips	9.5		17/02/2005	Noted

3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050128	Introduction of F-DPCH without pilot field	Philips	8		14/02/2005	Noted
R1-050129	CR25.211-200 (Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips, Nokia	8		14/02/2005	Minor-revised in Tdoc R1-050178
R1-050130	CR25.212-200 (Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips	8			Withdrawn
R1-050131	Number of HARQ processes	Siemens	9.2	(R1-050010)	15/02/2005	Noted
R1-050132	CR25.214-368 (Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips, Nokia	8		14/02/2005	It was decided to include the text from Tdoc R1-050098 (exclude part on multiple RL QoS "The UE shall run a quality target control loop such that the quality requirement is met for each radio link set.") Revision in R1-050179.
R1-050133	CR25.215-155 (Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips, Nokia	8		14/02/2005	Agreed
R1-050134	E-HICH timing relationship	Siemens	9.2	=R1-050011		Revised in Tdoc R1-050181
R1-050135	Compressed Mode for EDCH	Siemens	9.5		17/02/2005	Noted
R1-050136	Step size for relative grants	Siemens	9.2			Not treated
R1-050137	RRM for E-DCH	Siemens	9.3			Withdrawn
R1-050138	MBMS UE Capability for FDD	Motorola	7		14/02/2005	Noted
R1-050139	UE behaviour when reaching the maximum tx power	Nokia	9.6.4		17/02/2005	Noted
R1-050140	E-DPCCH performance in SHO: a comparison between CC and RM	Nokia	9.6.1		16/02/2005	Noted
R1-050141	HSUPA UE Capabilities	Nokia	9.4	(R1-050028)	17/02/2005	Noted
R1-050142	Number of Absolute Grant bits transmitted on E-AGCH	Nokia	9.2	= R2-050079	16/02/2005	Noted
R1-050143	Common measurement for E-DCH	NEC	9.3			Not available
R1-050144	Compressed mode handling	NEC	9.5		17/02/2005	Noted
R1-050145	E-AGCH Timing	NTT DoCoMo	9.2		15/02/2005	Noted
R1-050146	Measurement report of E-DPDCH/DPCCH power ratio for common rate control (Autonomous ramping)	NTT DoCoMo	9.3		16/02/2005	Noted
R1-050147	Control over serving vs. non-serving E-DCH resource allocation	NTT DoCoMo	9.2			Not treated
R1-050148	Reserving Hadamard sequence to improve interference calculation for E-HICH/E-RGCH	NTT DoCoMo	9		17/02/2005	Noted. It was decided that this topic can be considered at the next meeting if simulation results are available.

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050149	TFC selection for EUDCH	NEC	9.5			Not available
R1-050150	F-DPCH simulation results	Nokia	8		14/02/2005	Noted
R1-050151	F-DPCH operation in SHO	Nokia	8		14/02/2005	Noted
R1-050152	On MBMS UE Minimum Capability	Nokia	7		14/02/2005	Noted
R1-050153	Feature Clean-Up	Nokia	6.5			Withdrawn
R1-050154	AMR-WB reference RAB configurations	Nokia	6.5		14/02/2005	This document was revised in Tdoc R1-050205.
R1-050155	RRM aspects of the Enhanced Uplink feature	Vodafone Group	9.3		16/02/2005	Noted
R1-050156	ROHC Packet Handling Using RLC Segmentation and Concatenation	Ericsson	10		17/02/2005	Noted
R1-050157	7.68Mcps TDD option: work organisation	IPWireless	13		17/02/2005	Noted. It was decided to clarify responsibility for the stage at RAN#27
R1-050158	Draft TR: 7.68Mcps TDD option: physical layer	IPWireless	13		17/02/2005	Agreed as v0.1.0 as soon as TR number is available.
R1-050159	Draft TS: 7.68Mcps TDD Option; Overall Description: Stage 2	IPWireless	13			Revised in Tdoc R1-050192
R1-050160	8-PSK for TDD Enhanced Uplink and text proposal for TR25.804	IPWireless	14		17/02/2005	This text proposal was agreed into TR.
R1-050161	Text proposal on Node-B scheduling for TR25.804	IPWireless	14			Revised in Tdoc R1-050190
R1-050162	Draft text on conclusions and recommendations for the TDD enhanced uplink SI	IPWireless	14		17/02/2005	This text proposal was agreed into TR.
R1-050163	Out-of-sync detection for TDD HSDPA operation without an associated DL DPCH	IPWireless	11			Revised in Tdoc R1-050196
R1-050164	CR25.212-201 (Rel-6, F)"E-AGCH channel coding specification"	Motorola	9.6.2			Not treated
R1-050165	Number of HARQ processes & DL timing	QUALCOMM Europe	9.2		15/02/2005	Noted
R1-050166	Measurement in support of RRM	QUALCOMM Europe	9.3			Not treated
R1-050167	E-DCH related UE categories	QUALCOMM Europe	9.4		17/02/2005	Noted
R1-050168	E-AGCH aspects	QUALCOMM Europe	9.6.1		16/02/2005	Noted

3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050169	Structured and improved E-HICH/E-RGCH Signature Sequences	Huawei	9.6.1		16/02/2005	Noted
R1-050170	CR25.211-201(Rel-6, F) "E-HICH/E-RGCH Signature Sequences"	Huawei	9.6.1		16/02/2005	Noted
R1-050171	UE behavior in DPCH frame offset reconfiguration	Intel	6.3			Not Treated
R1-050172	Feature Clean-Up	Nokia, Motorola	6.5		14/02/2005	Noted. The decision on removal of features should be taken TSG RAN level
R1-050173	25.214CR355r2(Rel-6, B)"Faster L1 DCH synchronization"	Ericsson	6.4		18/02/2005	Technically agreed from RAN1 perspective
R1-050174	Draft LS on Faster L1 DCH synchronization	Ericsson	6.4		18/02/2005	Approved with the modification in Tdoc R1-050216
R1-050175	LS on the measurements required for EDCH Congestion Control (To:RAN1, Cc: RAN2, RAN4)	WG-RAN3	5	= R3-050254	14/02/2005	Noted
R1-050176	MBMS UE Capability for FDD	Motorola	7	(R1-050138)	18/02/2005	Noted. Include updated the proposal from R1-050176 (with limit on SCCPCH codes) and indicate TTI issue together with the RAN1 parts of UE capabilities in draft LS R1-050177.
R1-050177	Draft LS on MBMS UE capability	Panasonic	7		18/02/2005	Approved with modification on "Overall description" in Tdoc R1-050222
R1-050178	CR25.211-200 r1(Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips, Nokia	8	(R1-050129)	18/02/2005	Agreed
R1-050179	CR25.214-368 r1(Rel-6, B)"Introduction of F-DPCH without pilot field"	Philips, Nokia	8	(R1-050132)	15/02/2005	Agreed
R1-050180	Approved Report of 3GPP TSG RAN WG1 #39	RAN1 Secretary	3	(R1-050140)		Approved version
R1-050181	E-HICH timing relationship	Siemens	9.2	(R1-050134)	15/02/2005	Noted
R1-050182	25.211CR197r1(Rel-6, F)"E-HICH/E-RGCH Signature Sequences"	Siemens	9.6.1	(R1-050091)	16/02/2005	Agreed and captured by CR25.211CR198r1 (Tdoc R1-050195).
R1-050183	E-HICH/E-RGCH Signature Sequences	Siemens	9.6.1	(R1-050090)	16/02/2005	Agreed
R1-050184	[Draft] LS on Introduction of Fractional DPCH	Philips, Nokia, Nortel, Ericsson	8		16/02/2005	Approved with addition of sentence "" in Tdoc R1-050191
R1-050185	CR25.214-367 Power ratio setting for UL physical channels in relation to E-DCH	Philips	9.6.4	(R1-050126)	17/02/2005	Noted

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050186	E-DCH Downlink Timing Relations	Ericsson	9.2	(R1-050105)	15/02/2005	Noted
R1-050187	Comparison of E-HICH/E-RGCH signature sequences	Ericsson	9.6.1		16/02/2005	Noted
R1-050188	TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v1.1.0	Editor (Nokia)	9	(R1-050057)		Approved version
R1-050189	Tx Power requirements for Optimisation of DL Code Utilisation for TDD LCR	UTSarcom, IPWireless	12	(R1-050068)	17/02/2005	Noted
R1-050190	Text proposal on Node-B scheduling for TR25.804	IPWireless	14	(R1-050161)	17/02/2005	This text proposal was agreed into TR.
R1-050191	LS on Introduction of Fractional DPCH (To : RAN2, RAN3, RAN4)	WG-RAN1	8			Approved version
R1-050192	Draft TS: 7.68Mcps TDD Option; Overall Description: Stage 2	IPWireless	13	(R1-050159)		Not treated
R1-050193	Draft LS to RAN2 on AGCH	Ericsson	9.6.1		18/02/2005	Approved with modification in Tdoc R1-050219.
R1-050194	25.212CR198r1(Rel-6, F)"PLnon-max and PLmax"	Samsung, Nokia, Philips	9.6.2	(R1-050059)	18/02/2005	Agreed.
R1-050195	25.211CR198r1(Rel-6, F)"E-RGCH/E-HICH Sequence Hopping"	Ericsson	9.6.1	(R1-050102)	18/02/2005	Agreed
R1-050196	Out-of-sync detection for TDD HSDPA operation without an associated DL DPCH	IPWireless	11	(R1-050163)		This document will be sent and discussed on the reflector after the meeting.
R1-050197	25.214CR363r1(Rel-6, F)"Power control at the maximum power limit"	Samsung	9.6.4			Withdrawn
R1-050198	25.214CR364r1(Rel-6, F)"Reliable E-RGCH/E-HICH Detection"	Ericsson	9.6.4		18/02/2005	Agreed
R1-050199	LS on alignment of MBMS transport channels (To : RAN1, RAN2)	WG-RAN3	5		18/02/2005	Noted. It was decided to send the reply LS indicating that no significant impact on RAN1 specifications is expected with an introduction of an SFN-MFN offset (no impact with introduction of an SFN-CFN offset) that would lead to alignment of TTI starting times and the proposed solution CFN mod2 = 0 is not preferred in Tdoc R1-050214.
R1-050200	EUL performance with de-boosting on E-DPCH	QUALCOMM Europe	9.2		18/02/2005	Noted
R1-050201	25.214CR354r3(Rel-6, C)"Timing maintained Hard Handover"	Ericsson	6.4	(R1-050099)	18/02/2005	Agreed

3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050202	Review of WG RAN1 Terms of Reference	RAN1 Chairman	15		18/02/2005	Endorsed
R1-050203	Timing and process number	QUALCOMM Europe	9.2			Noted
R1-050204	25.213CR73r1(Rel-6, F)"Defining E-DPDCH power offset"	Samsung	9.6.3	(R1-050065)	18/02/2005	Agreed
R1-050205	AMR-WB reference RAB configurations	Nokia	6.5	(R1-050154)	18/02/2005	Noted. RAN 1 confirms the correctness of the RAN1 parameters.
R1-050206	CR 25.211-202 (Rel6, F) "E-HICH/E-RGCH/E-AGCH timing"	QUALCOMM Europe	9.6.1		18/02/2005	Revised in Tdoc R1-050217.
R1-050207	CR 25.214-369 (Rel6, F) "DL/UL timing association of E-DCH operation"	QUALCOMM Europe	9.6.4		18/02/2005	Revised in Tdoc R1-050218.
R1-050208	Note of Joint Session on RRM EDCH	RAN1 Chairman	9.3		16/02/2005	Noted
R1-050209	25.214CR362r1(Rel-6, F)"Gain factor setting for E-DCH"	Samsung, Nokia, Philips	9.6.4	(R1-050060)		Revised in Tdoc R1-050215.
R1-050210	EUL E-DPDCH De-boosting Result	Motorola	9.2		18/02/2005	Noted
R1-050211	LS on Layer 1 synchronization procedure (To ; RAN1, Cc ; RAN3, RAN4)	WG RAN3	5	= R3-050320	18/02/2005	Noted
R1-050212	TR25.804 v.1.0.1	InterDigital	14			Agreed as v1.1.0 in Tdoc R1-050229.
R1-050213	[Draft] LS on support for higher layer signalling of PInon-max value	Samsung	9.6		18/02/2005	Approved in Tdoc R1-050220.
R1-050214	[DRAFT] Reply LS on alignment of MBMS transport channels	Motorola	5		18/02/2005	Approved with modification in Tdoc R1-050221
R1-050215	25.214CR362r2(Rel-6, F)"Gain factor setting for E-DCH"	Samsung, Nokia, Philips	9.6.4	(R1-050209)	18/02/2005	Agreed
R1-050216	LS on Faster L1 DCH synchronization	WG RAN1	6.4			Approved version
R1-050217	CR 25.211-202 r1(Rel6, F) "E-HICH/E-RGCH/E-AGCH timing"	QUALCOMM Europe	9.6.1	(R1-050206)	18/02/2005	Agreed. After the meeting, this document was revised in Tdoc R1-050223.
R1-050218	CR 25.214-369r1(Rel6, F) "DL/UL timing association of E-DCH operation"	QUALCOMM Europe	9.6.4	(R1-050207)	18/02/2005	Agreed. After the meeting, this document was revised in Tdoc R1-050224.
R1-050219	LS to RAN2 on AGCH (To : RAN2)	WG RAN1	9.6.1			Approved version
R1-050220	LS on support for higher layer signalling of PInon-max value (To : RAN2, RAN3)	WG RAN1	9.6			Approved version
R1-050221	Reply LS on alignment of MBMS transport channels (To : RAN3, Cc : RAN2)	WG RAN1	5			Approved version
R1-050222	LS on MBMS UE capability	WG RAN1	7			Approved version
R1-050223	CR 25.211-202 r2(Rel6, F) "E-HICH/E-RGCH/E-AGCH timing"	QUALCOMM Europe	9.6.1	(R1-050217)		After the meeting, agreed on the reflector

**3GPP TSG RAN WG1 Meeting #40bis
Beijing, China, 4 – 8 April, 2005**

R1-050369

NUMBER	TITLE	SOURCE	AGENDA ITEM	REVISED BY (From)	Treated Date (CET)	Conclusion/decision
R1-050224	CR 25.214-369r2(Rel6, F) "DL/UL timing association of E-DCH operation"	QUALCOMM Europe	9.6.4	(R1-050218)		After the meeting, agreed on the reflector
R1-050225	Comparison of E-HICH/E-RGCH Signature Sequences	Siemens	9.6.1			Not available
R1-050226	25.211CR197r2(Rel-6, F)"E-HICH/E-RGCH Signature Sequences"	Siemens	9.6.1	(R1-050182)		Not available
R1-050227	CR25.221-118 (Rel-6, B)"Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD"	IPWireless	11			After the meeting, agreed on the reflector
R1-050228	CR25.224-141(Rel-6, B) "Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD"	IPWireless	11			After the meeting, agreed on the reflector
R1-050229	TR25.804 v.1.1.0	InterDigital	14			Agreed version.
R1-050230	TR25.804 v.2.0.0	InterDigital	14			Submitted in RAN#27 for approval.
R1-050231	TR25.808 FDD Enhanced Uplink; Physical Layer Aspects, v2.0.0	Editor (Nokia)	9			Submitted in RAN#27 for approval.