

Mueller Exhibit 27

TSG-RAN WG2 meeting #48
London, 29 August - 02 Sep 2005

R2-052063

Title: Approved minutes of the 47 TSG-RAN WG2 meeting
(Athens Greece, 09-13 May 2005)

Source: 3GPP support team

16th May 2005 (last updated on the 17th August)

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1 Opening of the meeting

1.1 Call for IPR

The Convenor (Denis Fauconnier) welcomed the participants to the 47 RAN WG2 meeting and opened the meeting at 09.00am. The delegates were welcomed to Athens, on behalf of the EF3, by Frederic Charpentier from Panasonic.

The convenor made the following IPR call:

The attention of the delegates of this Working Group was drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective Organizational Partners of Essential IPRs they become aware of**.

The delegates were asked to take note that they were hereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (<http://webapp.etsi.org/Ipr/>).

NOTE: IPRs may be declared to the Director-General or Chairman of the SDO, but not to the RAN WG2 Convenor.

2 Approval of the agenda

R2-051250	Agenda	Convenor
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Denis Fauconnier (Convenor) proposed the agenda for the meeting. There will be a split of the group between HSUPA and MBMS, on the Tuesday and Thursday. There would be a joint SA2/RAN2/RAN3 session on RAN Long Term Evolution on the Wednesday afternoon. The closing time of RAN WG2 would be 16h00 on the Friday.

Decision: The agenda was approved.

3 Results of the previous meetings

3.1 Results of the previous meetings

R2-051521	Proposed minutes of RAN2-46bis meeting, Beijing, China, 04-08 April 2005	ETSI MCC
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The minutes were presented by Claude Arzelier from ETSI MCC.

Decision: The report was approved. The approved version is in R2-051522:

R2-051522	Approved minutes of RAN2-46bis meeting, Beijing, China, 04-08 April 2005	ETSI MCC
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This is the approved version of this RAN WG2 46bis minutes.

R2-051251	List of Agreed CRs from RAN2-46bis	ETSI MCC
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From this list:

R2-051187, 25.993 CR on "Introduction of Streaming RABs over HSDPA" was re-allocated CR number 0041.

25.304 CR on "Removal of sentences in brackets in 25.304" was re-allocated CR number 0142 (to correct clash of CR numbers).

The CRs in this list will be presented (by ETSI MCC) to RAN-28 for approval (unless comments received).

The following CRs, revised following RAN2-47, are removed from this list:

R2-051110 (25.331 CR 2548).

R2-051196 (25.331 CR 2554rev1).

R2-051095 (25.331 CR 2543).

R2-051128 (25.331 CR 2561).

3.2 New documents

(No document, since RAN2-46bis happened before RAN2-27.

4 Results of activities since previous meeting

There was no input under this agenda item.

5 Reports from other groups

There was no document under this agenda item.

6 Release '99 corrections

6.1 Incoming LSs on Release '99

R2-051364	(RT-050011, to RAN2). LS on Update Submission for UTRA FDD and TDD toward Revision 6 of Recommendation ITU-R M.1457	TSG-RAN ITU-R Ad Hoc
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This Liaison Statement was presented by Andrea Buldorini from Telecom Italia.

Discussion:

No comments were received.

Decision: The version of this material (Annex 1) was endorsed by RAN WG2.

6.2 General decisions

There was no input under this agenda item.

6.3 Proposed Change Requests

(Reminder: In the case of "shadow CRs" with different implementations due to the CRs (e.g. a "should" for the UE in the R'99 CR is kept as a "should" in the Rel-4 CR, while a "shall" is introduced in the Rel-5 CR), please state it clearly on the CR coversheet s (with a sentence indicating what the difference is exactly).

In addition, the category of the "shadow" CR changing the implementation should be "F". For example, in the case above ("should", "should" and "shall", for the R'99, Rel-4 and Rel-5 CR respectively) the categories should be "F", "A" and "F". (In the case of "pure shadows", the categories are "F", "A" and "A"). Thankyou !)

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There was no input under this agenda item.

7 Release independent features

There was no input under this agenda item.

8 Release 4 corrections

8.1 Incoming LSs on Rel-4

There was no input under this agenda item.

8.2 General decisions

There was no input under this agenda item.

8.3 Proposed Change Requests

There was no input under this agenda item.

9 Release 5 corrections

9.1 Incoming LSs on Rel-5

R2-051668	(R1-050563, to RAN2). Reply LS on Outer-loop TPC behaviour in 0 bit TB reception for Associated DPCH	NTT DoCoMo
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This Liaison Statement was presented by Nakamura-San from NTT DoCoMo.

Discussion:

Decision: The document was noted.

Ericsson will provide CRs on RRC will be proposed, in R2-051677, R2-051678. CR 2606, 2607.

R2-051677	Proposed CR 2606 to 25.331 [Rel-5] on 0 bit TB reception for associated DPCH (exact title tbd)	Ericsson
R2-051678	Proposed CR 2607 to 25.331 [Rel-6] on 0 bit TB reception for associated DPCH (exact title tbd)	Ericsson

This document was presented by Joakim Bergstrom from Ericsson.

Discussion:

The sentence on earlier implementability will not be included.

Decision: The CRs were agreed in R2-051690, R2-051691. CRs 2606, 2607 rev1.

R2-051659	(R1-050551, Cc RAN2). LS on correction of default parameters of UL:384kbps PS RAB	RAN WG1
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This Liaison Statement was presented by Nakamura-san from NTT DoCoMo.

Discussion:

Decision: The LS was noted.

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R2-051363	(S3-050308, Cc RAN2). LS on LS on Keystatus sent by CN node in Security Mode Command	SA WG3
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This Liaison Statement was presented by Joachim Bergström from Ericsson.

Discussion:

Decision: The LS was noted.

R2-051360	(R5-050993, to RAN2). LS on verification of parameters for proposed HSDPA Streaming RABs in 34.108	RAN WG5
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This Liaison Statement was presented by Agnes Revel from Motorola.

Discussion:

It was commented that RAB parameters do not include a minimum bit rate, but a guaranteed bit rate. The former does not seem supported in RAN WG3.

Comment on the uplink RAB.

It was reminded that it was commented in the past that this was not increasing the test coverage. What are the rationals behind the addition ? This is up to RAN WG5.

Decision: A reply will be sent, in R2-051529 (Don Zellmer, Cingular Wireless).

R2-051351	(R5-050999, to RAN2). LS on assumption on HSDPA Radio Bearer Settings in case of three Radio Bearer Multiplexing Options	RAN WG5
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This Liaison Statement was presented by Luis Barreto from Nokia.

Discussion:

The RB Mapping option that is being used requires the complete configuration. There is no restriction for the non-used RB Mapping option.

There is a small signalling optimisation in option 4, when compared with option 3 (i.e. only the TFS does not need to be sent when reconfiguring from HS-DSCH to DCH).

Decision: The LS was noted. The proposal was agreed. Reply LS in R2-051530 (Luis Barreto, Nokia).

R2-051350	(R5-050868, to RAN2). LS on loopback for HSDPA	RAN WG5
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This Liaison Statement was presented by Moray Romnay from Agilent.

Discussion:

There is a corresponding Change Request on 34.109.

There are four questions for RAN WG2.

Decision: The LS was noted. The CR in R2-051520 (34.109) replies to the four points.

9.2 General decisions

R2-051414	Withdrawn document on Inter-RAT cell change	Ericsson
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This document was withdrawn before presentation (not available).

R2-051515	DL Capability with simultaneous HS-DSCH configuration UE signalling	NEC
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This document was withdrawn before presentation (not available).

R2-051386	Discussion on RAB vs RB definition, notation syntax and ways forward on the definition of HSDPA and EUL Radio Bearers in 25.993	T-Mobile
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This document was presented by Axel Klatt from T-Mobile.

Discussion:

Decision: The proposal was endorsed. T-Mobile will bring a CR for the next meeting.

9.3 Proposed Change Requests

9.3.1 Feature removal

Discussions/Decisions:

- The IFs will be set as dummy for the Rel-5.

- Question to answer: In the Rel-6, are the 'dummy branches' removed ? This would depend on the size of the message over the radio interface, and of the complexity (this would also create a change in the ASN.1 source file). In this (latest) case, mobiles would also have to be tested twice.

R2-051673	Feature clean-up summary	Nokia
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This document was presented by Luis Barreto from Nokia.

Discussion:

Decision: All the "feature clean-up" CRs were agreed (see the list of CRs, final list from RAN WG2).

Initial list of CRs (this full list was then revised in the "final list from RAN WG2"):

R2-051290	Proposed CR to 25.306 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051583	Proposed CR to 25.306 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia

R2-051291	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051584	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia

R2-051292	Proposed CR to 25.302 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051585	Proposed CR to 25.302 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia

R2-051293	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
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This document was revised before presentation in R2-051586:

R2-051586	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051587	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia

R2-051294	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of SSDT	Nokia
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This document was revised before presentation in R2-051588:

R2-051588	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of SSDT	Nokia
R2-051589	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of SSDT	Nokia

R2-051295	Proposed CR to 25.922 [Rel-6 version, Rel-5 affected] on Feature Clean Up: Removal of SSDT	Nokia
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R2-051313	Proposed CR to 25.301 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051314	Proposed CR to 25.301 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051315	Proposed CR to 25.302 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051316	Proposed CR to 25.302 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051317	Proposed CR to 25.303 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051318	Proposed CR to 25.303 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics

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R2-051319	Proposed CR to 25.306 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051320	Proposed CR to 25.306 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051321	Proposed CR to 25.321 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051322	Proposed CR to 25.321 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051323	Proposed CR to 25.331 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051324	Proposed CR to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics

R2-051453	Proposed CR to 25.301 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051454	Proposed CR to 25.301 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051455	Proposed CR to 25.302 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051456	Proposed CR to 25.302 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051457	Proposed CR to 25.303 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051458	Proposed CR to 25.303 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051459	Proposed CR to 25.306 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051460	Proposed CR to 25.306 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051461	Proposed CR to 25.321 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051462	Proposed CR to 25.321 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051465	Proposed CR to 25.331 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051466	Proposed CR to 25.331 [Rel-6] on Feature clean-up: removal of CPCH	Motorola

R2-051467	Proposed CR to 25.306 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051468	Proposed CR to 25.306 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051469	Proposed CR to 25.331 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051470	Proposed CR to 25.331 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola

R2-051471	Proposed CR to 25.302 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051472	Proposed CR to 25.302 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051473	Proposed CR to 25.306 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051474	Proposed CR to 25.306 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051475	Proposed CR to 25.331 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051476	Proposed CR to 25.331 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola

R2-051506	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens
R2-051507	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens

R2-051508	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens
R2-051509	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens

List of CRs, final list from RAN WG2 (in the same order of CRs) (agreed list):

R2-051591	Agreed CR 0108 to 25.306 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051592	Agreed CR 0109 to 25.306 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051593	Agreed CR 2580 to 25.331 [Rel-5] on Feature Clean Up: Removal of 80 ms	Nokia

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	TTI for DCH for all other cases but when the UE supports SF512	
R2-051594	Agreed CR 2581 to 25.331 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051595	Agreed CR 0155 to 25.302 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051596	Agreed CR 0156 to 25.302 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051597	Agreed CR 2582 to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051598	Agreed CR 2583 to 25.331 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051601	Agreed CR 2584 to 25.331 [Rel-5] on Feature Clean Up: Removal of SSdT	Nokia
R2-051602	Agreed CR 2585 to 25.331 [Rel-6] on Feature Clean Up: Removal of SSdT	Nokia
R2-051603	Agreed CR 0032 to 25.922 [Rel-6 version, Rel-5 affected] on Feature Clean Up: Removal of SSdT	Nokia
R2-051604	Agreed CR 0076 to 25.301 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051605	Agreed CR 0077 to 25.301 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051606	Agreed CR 0157 to 25.302 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051607	Agreed CR 0158 to 25.302 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051608	Agreed CR 0077 to 25.303 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051609	Agreed CR 0078 to 25.303 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051610	Agreed CR 0110 to 25.306 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051611	Agreed CR 0111 to 25.306 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051612	Agreed CR 0211 to 25.321 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051613	Agreed CR 0212 to 25.321 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051614	Agreed CR 2586 to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051615	Agreed CR 2587 to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051616	Agreed CR 0078 to 25.301 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051617	Agreed CR 0079 to 25.301 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051618	Agreed CR 0159 to 25.302 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051619	Agreed CR 0160 to 25.302 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051620	Agreed CR 0079 to 25.303 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051621	Agreed CR 0080 to 25.303 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051622	Agreed CR 0112 to 25.306 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051623	Agreed CR 0113 to 25.306 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051624	Agreed CR 0213 to 25.321 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051625	Agreed CR 0214 to 25.321 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051626	Agreed CR 2588 to 25.331 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051627	Agreed CR 2589 to 25.331 [Rel-6] on Feature clean-up: removal of CPCH.	Motorola
R2-051628	Agreed CR 0114 to 25.306 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051629	Agreed CR 0115 to 25.306 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola

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R2-051630	Agreed CR 2590 to 25.331 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051631	Agreed CR 2591 to 25.331 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola

R2-051632	Agreed CR 0161 to 25.302 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051633	Agreed CR 0162 to 25.302 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051634	Agreed CR 0116 to 25.306 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051635	Agreed CR 0117 to 25.306 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051636	Agreed CR 2592 to 25.331 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051637	Agreed CR 2593 to 25.331 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola

R2-051638	Agreed CR 2594 to 25.331 [Rel-5] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens
R2-051639	Agreed CR 2595 to 25.331 [Rel-6] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens

R2-051640	Agreed CR 2596 to 25.331 [Rel-5] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens
R2-051641	Agreed CR 2597 to 25.331 [Rel-6] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens

9.3.2 Other Change Requests

R2-051385	Proposed CR to 25.993 [Rel-6] on Inclusion of HSDPA RABs already defined in 34.108	Siemens, T-Mobile
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This document was presented by Axel Klatt from T-Mobile.

Discussion:

Decision: The CR was agreed, in R2-051531. CR number is 0039.

R2-051260	Proposed CR to 25.321 [Rel-5] on Reconfiguration of MAC-hs parameters	ASUSTeK
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This document was presented by Sam Jiang from ASUSTeK.

Discussion:

The impact analysis is missing.

What happens if the UE does not implement the CR ? Are some PDUs lost ?

HFN desynchronisation could happen, with some UE scenarios.

Decision: The CR was agreed, in R2-051532 and R2-051533. CR number is 0209 and 0210.

R2-051261	Withdrawn CR to 25.322 [Rel-5] on Reconfiguration of receiving window size	ASUSTeK
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The document was withdrawn before presentation (not available).

R2-051262	Proposed CR to 25.322 [Rel-5] on Erroneous Sequence Number definition	ASUSTeK
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This document was presented by Sam Jiang from ASUSTeK.

Discussion:

The sentence on earlier implementability should be checked.

Decision: The CR was agreed, in R2-051539 and R2-051540. CR numbers are 0275 and 0276.

R2-051263	Proposed CR to 25.322 [Rel-5] on Selecting a PDU to transmit a poll	ASUSTeK
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This document was presented by Sam Jiang from ASUSTeK.

Discussion:

Is it an essential correction ?

Decision: The CR was agreed *for the Rel-6 only*. The sentence on earlier implementability will be added on the coversheet. In R2-051541. CR number is 0277 (agreed).

R2-051367	Proposed CR to 25.331 [Rel-5] on Clarification of CTFC calculation	Ericsson
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This document was presented by Joakim Bergstrom from Ericsson.

Discussion:

The title will be changed.

Decision: The CR was agreed, in R2-051542 and R2-051543. CR numbers are 2571 and 2572.

R2-051413	Proposed CR to 25.331 [Rel-5] on Correction to handling of keys at inter-RAT handover	Ericsson
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This document was presented by Joakim Bergstrom from Ericsson.

Discussion:

This CR follows an exchange of Liaison Statements on the subject.

It was commented that the coversheet has the sentence on earlier UE implementability. However the CR changes the UE behaviour (although the Core Network may expect the behaviour as in this CR).

If the UTRAN implements this CR and not the UE, this case would lead to a failure (such as today, except that this would not be because of CN).

The RAN should be ticked on the coversheet.

This may lead to potentially 3 mobile behaviours, but at the end all mobiles would go this way.

What would be the impact on the PS handover Work Item ?

The text in subclause 8.1.12.2.2 needs to be re-phrased: if ciphering is not started in another RAT, the UTRAN does not perform the security mode command. (A condition needs to be added).

Decision: The CR was agreed in R2-051527 and R2-051528. CR numbers are 2567 and 2568.

R2-051477	Proposed CR to 25.331 [Rel-5] on Default RB identity in IE 'Signalling RB information to setup'	Motorola
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This document was presented by Agnes Revel from Motorola.

Discussion:

The sentence on earlier implementability states wrong releases (it should not state the Rel-5).

Decision: The CR was agreed, in R2-051544 and R2-051545. CR numbers are 2573 and 2574.

R2-051500	Proposed CR to 25.331 [Rel-5] on Default configuration 13	Nokia
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This document was presented by Luis Barreto from Nokia.

Discussion:

Decision: The CR was agreed, in R2-051546 and R2-051547. CR numbers are 2575 and 2576.

R2-051501	Proposed CR to 25.331 [Rel-5] on Transparent Mode SRB	Motorola
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This document was presented by Agnes Revel from Motorola.

Discussion:

The bearers impacted need to be stated. Or better, state "for all SRBs except TM-SRBs".

Decision:

The CR was revised, in R2-051534 and R2-051535. CR numbers are 2569 and 2570:

R2-051534	Proposed CR 2569 to 25.331 [Rel-5] on Transparent Mode SRB	Motorola
R2-051535	Proposed CR 2570 to 25.331 [Rel-6] on Transparent Mode SRB	Motorola

This document was presented by Agnes Revel from Motorola.

Discussion:

Decision: The CRs were not agreed.

R2-051520	Proposed CR to 34.109 [Rel-5] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent
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This document was presented by Moray Rumney from Agilent.

Discussion:

This CR is a clarification on the UE behaviour.

RAN WG5 are considering 2 choices for testing HSDPA: Using a unidirectional bearer, or using a bidirectional bearer with loopback and 0 data configured for the uplink.

In subclause 5.3.2.3, it is stated that the UE shall close all test loops: are all test loops really to be closed ?

Is it possible to close some bearers individually ? Answer that this is not possible (this would require a change to the functionality). Also, they are (all) closed with the same test loop. But this does not seem clear in 34.109. This is issue 5. Subsequent analysis of the message contents in 34.108 showed that it is not possible to close both types of loops simultaneously. All loops must be either mode 1 or mode 2.

Is it not possible to send a message indicating to close one loop only. This could be a future enhancement.

It was clarified that user plane radio bearer and radio bearer are the same with this definition.

It was clarified that in 5.2.1.3, no loops are closed yet (the statement applies to both unidirectional and bi-directional at this point).

The definition of uni-directional and bi-directional (presence of not of transport channels) will be introduced earlier in the text (e.g. subclause 5.2 already uses it).

"User plane" is not used consistently and will be removed. Subsequently it was decided to obtain consistency by adopting "user plane" generally.

Decision: The CR was agreed, in R2-051537 and R2-051538. CR numbers are 0035 and 0036.

10 Release 6 and beyond – General Information

R2-051525	Work Plan	ETSI MCC
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This document was provided for information.

Approved Work Items under RAN WG2 responsibility:

TSG-RAN WG2 is leading WG for the following (Rel-6 or beyond) Work Items:

- Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN. (completed at TSG RAN#26).
- FDD Enhanced Uplink – Stage 2, and Layer 2 and 3 Protocol Aspects. (completed at TSG RAN#27).
- Radio access bearer support enhancement.
- *CS and PS Call Setup Delay Improvement (new)*.
- Multiple Input Multiple Output antennas - Layer 2,3 aspects.
- Enhancement of the support of network sharing in the UTRAN (completed at TSG RAN#26).
- Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications.
- 7.68 Mcps TDD option: Layer 2 and layer 3 protocol aspects.
- *3.84 Mcps TDD Enhanced Uplink: Layer 2 and 3 Protocol Aspects (new)*.
- *Improved support of IMS Real time Services using HSDPA/HSUPA (new)*.

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

NOTE: Parallel session. Comments taken by Francesco Grilli, Qualcomm.

11.1 Incoming LSs on MBMS

R2-051661	(R1-050561, to RAN2): Reply LS (to R2-051113) on S-CCPCH power offset signalling for MBMS	RAN WG1
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This liaison statement was postponed for the next meeting.

R2-051354	(S2-050949, Cc RAN2): Reply LS (to S4-050198) on MBMS Session Repetition	SA WG2
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This Liaison Statement was presented by Young Dae Lee from LG Electronics.

Discussion:

Decision: The document was noted.

R2-051356	(S2-050968, to RAN2). LS on MBMS Bearer Capability use (reply LS to N1-050206 on AS-NAS interaction for MBMS)	SA WG2
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This Liaison Statement was presented by Cai Zhijun from Motorola.

Discussion:

The MBMS bearer capability is the bit rate at the application layer, not necessarily over the air.

Decision: The document was noted.

R2-051352	(S2-050946, Cc RAN2). Reply LS (To GERAN2) on MBMS Session Duration IE	SA WG2
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This Liaison Statement was presented by Juho Pirskanen from Nokia.

Discussion:

Decision: The document was noted.

R2-051353	(S2-050948, Cc RAN2). Reply LS (to S4-050141) on MBMS User Service finalization	SA WG2
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This Liaison Statement was presented by Juho Pirskanen from Nokia.

Discussion:

Decision: The document was noted.

R2-051345	(C1-050797, to RAN2). LS on NAS actions in support of MBMS Reception (Reply LS on 'release' of non-prioritised non-MBMS PS services)	CT WG1
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This Liaison Statement was presented by Iimke van der Velde from Samsung.

Discussion:

Decision: The document was noted.

R2-051661	(R1-050561, to RAN2). Reply LS (to R2-051113) on S-CCPCH power offset signalling for MBMS	RAN WG1
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This Liaison Statement was presented by Cai Zhijun from Motorola.

Discussion:

The LS in document R2-051113 (previous meeting) was sent to RAN1/RAN4 and RAN1 has responded with this reply LS in R2-051661.

Decision: The document was noted.

11.2 Inputs on MBMS Stage 2 Corrections and General Decisions

11.2.1 Activation time

Documents are invited for the introduction of the activation time in MBMS (re)configurations. See R2-050891 (from the previous meeting, LG Electronics).

R2-051325	Email discussion on Validity of PTM configurations	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Decision: The document was noted.

R2-051326	Proposed CR to 25.331 on Validity of PTM configurations	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

R2-051434	MTCH reconfiguration	Samsung
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This document was presented by Himke van der Velde from Samsung.

R2-051519	Introduction of activation time in MBMS (re)configurations	Ericsson
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

Decision:

Synch or asynch?

- Synch

Transmit current configuration and new configuration in the same modification period?

- Only new configuration is transmitted
 - A UE that enters the cell may have the MTCH configuration from the previous serving cell. The some neighbour cells information may be missing
 - A UE that powers up will have to wait till the activation time

No need to signal one bit per each service included in the MSI

A single activation time will be included in the MSI for all the modified services. This means that some cells/services may have the same configuration before and after the activation time.

Which granularity?

- 1 frame

Which range?

- Up to 2 modification period lengths (20s). The SFN can be used. The SFN should fall within the present or the immediately subsequent modification period, otherwise the UE considers the activation time as already elapsed.

Default behaviour (no activation time)

- Current behaviour (at the next modification period boundary of the serving cell for configurations of the serving cell and of the neighbouring cells)

The decisions will be captured in the CR on 25.331 in R2-051556 (CR number 2601, LG Electronics):

R2-051556	Proposed CR 2601 to 25.331 [Rel-6] on the introduction of activation time in MBMS (re)configurations (exact title tbd)	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

"(no data)" should be "BOOLEAN" (and ASN.1 should be corrected)

It should be restricted to PtM.

Change in 8.7.1.1 should be undone

In 8.7.5.3 "CURRENT CELL" should be "current cell".

More offline discussion is needed.

Decision: The document is revised in R2-051570 (CR 2601rev1) for e-mail approval. Deadline is May 20th. It was then agreed on the reflector following the meeting.

11.2.2 UE Capability

It was noted that there was already an agreed CR from RAN2-46bis, R2-051122, 25.306 CR 0107.

Further review may be needed.

Actual bit-rate requirements for the MCCCII:

Documents are invited (especially from operators).

11.2.3 Prioritisation

PS voice calls and UE behaviour on suspension of PS services for MBMS.

Guidance has been requested from CT1/SA2. (See Document R2-050827 and LS R2-051109 from previous meeting). No action for RAN2 until that LS is replied to.

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Availability at UE of bearer type (p-t-m or p-t-p) to support prioritisation
See LS R2-051018 (previous meeting). No RAN2 action until the reply from RAN3 comes.

11.2.4 Layer 1 Aspects

S-CCPCH power offset:

Waiting for response from RAN1/4 to LS in document R2-051113 (previous meeting).

Timing offset:

Waiting for RAN3 response to R2-051107 (previous meeting).

R2-051452	Further Analysis of SCCPCH power offset signalling	Motorola
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This document was presented by Cai Zhijun from Motorola.

R2-051329	Proposed CR to 25.331 on signalling of MBMS SCCPCH Power Offset	LG Electronics
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This document was presented by YoungDae Lee from LG Electronics.

Discussion:

How often does the offset change?

- Less often than once per modification period

Do we need offset for:

- Selection of cells to combine, (without preventing link optimizations)

Which granularity is needed for the offset

- For serving cell and for each neighbour S-CCPCH (CCTrCH for TDD)
 - for each of the neighbours the relative offset with respect to one reference S-CCPCH in the serving cell is signalled (for the same service)
- Value of granularity will be 1 dB.

The coarse values are transmitted on the MCCH

Finer values could be signalled in the MSCH (Wait for RAN1 LS. Contributions are invited)

Decision:

- For each S-CCPCH of each neighbour cell the delta between the offsets is signalled with a MD value (-6, -3, 3, 6), default is 0.
- For TDD the above is applicable, but for CCTrCH.

The decisions will be captured in R2-051561 (Motorola):

R2-051561	Proposed CR to 25.331 on signalling of MBMS SCCPCH Power Offset	Motorola
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This document was presented by (...) from Motorola.

Discussion:

The ASN.1 is missing

Decision:

The document is revised in R2-051569 (CR 2609, Panasonic, Motorola, Qualcomm, Ericsson, Alcatel, Siemens, Orange):

R2-051569	Proposed CR 2609 to 25.331 [Rel-6] on signalling of MBMS SCCPCH Power Offset	Panasonic, Motorola, Qualcomm, Ericsson, Alcatel, Siemens.
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This document was presented by Frederic Charpentier Panasonic.

Discussion:

Category should not be "F".

Decision: Will be agreed by email, in R2-051697 (CR 2609rev1). By Wednesday 18th May 2005. Was then revised in R2-051698 (CR 2609rev2). The CR was agreed.

11.2.5 Layer 2 Aspects

R2-051376	Limitations of RLC OSD feature	Ericsson
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

Decision:

The current scheme may not work if more than 40-48 PDUs are lost. This scenario is, however, unlikely. In the CR SNO should be replaced with SN.

Decision:

The note will also describe the case in which many consecutive PDUs can be lost. The CR was revised in R2-051555 (25.322 CR 0279) (Ericsson):

R2-051555	Proposed CR 0279 to 25.322 [Rel-6] on Limitations of RLC OSD feature (exact title tbd)	Ericsson
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

Decision: The document is revised in R2-051571 (Ericsson), which is agreed (no need to come back).

R2-051256	Interruption problem when 'Out of Sequence SDU delivery' is configured	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

The problem described may not be a critical problem. A protocol error may occur if the transmitter does not respect note 1 and many PDUs are lost in a row (unlikely scenario). The transmitter behaviour can be clarified.

Decision: The document was noted.

R2-051489	Issues relating to out of sequence delivery	Siemens
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This document was presented by Dave Randall from Siemens.

Discussion:

The change in Note will be captured in the Ericsson CR in R2-051555.

In note 2 "must be" should be replaced with "is".

Decision: The changes in Note 2 are agreed with the change described above and will also be captured in R2-051555.

11.2.6 NAS related aspects

Fixed or restricted IP packet sizes for PS services

Waiting on response from SA4 to R2-051131 (previous meeting).

Signalling load at session start/stop

CT1 and SA2 to investigate

Dedicated notification

RAN3 to investigate

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Stream bundling

Outgoing LS in R2-051100 (previous meeting). No action in RAN2.

11.2.7 Upper limit for number of modified/unmodified services

See R2-050843 (previous meeting).

R2-051435	MBMS corrections and clarifications (set III)	Samsung
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This document was presented by Himke van der Velde from Samsung.

R2-051491	Proposals relating to service identity signalling	Siemens
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This document was presented by Dave Randall from Siemens.

R2-051330	Proposed CR to 25.331 on MBMS transmission group identity	LG Electronics
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This document was presented by YoungDae Lee from LG Electronics.

Discussion:

Decisions:

Signalling of one bit per all the services

Max number of modified services in MSI = 32

Max number of unmodified services in USI = 64

Max value for MBMS Acces Information = 8

The UE should initiate the p-t-p RB establishment only once per modification period

These will be captured in a revision of CR 2548 (included in the agreed CR to 25.331 in R2-051110)

The new version of the CR 2548 will be in R2-051557 (Samsung). The decision on the " Signalling of one bit per all the services" will be captured in R2-051556.

R2-051557	Proposed CR 2548rev1 to 25.331 [Rel-6] on Miscellaneous MBMS corrections (e.g. service and group identity) (exact title tbd)	Samsung
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This document was presented by Himke van der Velde from Samsung.

Discussion:

Decision: Will be agreed by email. By Wednesday the 18th May 2005. Was then revised in R2-051703.

Agreed over the reflector.

11.2.8 Other

R2-051282	MBMS Repetition Flag, impact on the UE resource and battery	Alcatel Shanghai Bell Co
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This document was presented by Stanislas Bourdeaut from Alcatel.

Discussion:

If there is a service that is starting at the same time as the session repetition the scheme cannot be used.

Decision: The document was noted. The proposed scheme was not agreed.

R2-051510	Discussion on CTCH reception in MBMS UE	LG Electronics
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This document was presented by Young Dae Lee from LG Electronics.

Discussion:

CTCH is always on the first S-CCPCH. It may be too restrictive to force the MCCH to be on the same S-CCPCH.

It could be handled by UE implementation. It could be further discussed directly in SA2.

Decision: The document was noted.

11.3 Inputs on MBMS Stage 3 Corrections

11.3.1 TS 25.331 – RRC

R2-051257	Proposed CR to 25.331 [Rel-6] on Typo Correction in Modification Period Description	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

Decision: Agreed in principle. -It will be merged into R2-051557.

R2-051258	Proposed CR to 25.331 [Rel-6] on Inter-frequency Measurement in idle, CELL_PCH and URA_PCH when UE receives MBMS	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

Decision: The note is in principle correct, but there is no need to capture it in the specifications, since the UE performance will be specified in RAN4 specifications. The document was noted

R2-051259	Proposed CR to 25.331 [Rel-6] on Failure handling of RRC connection establishment procedure for MBMS	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

After "else" we should add: "if MAC layer indicates successful transmission of the message"

Decision: Agreed in principle. It will be merged in the general CR to RRC in R2-051557.

R2-051265	Proposed CR to 25.331 [Rel-6] on MBMS corrections on required UE action	Alcatel Shanghai Bell Co
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This document was presented by Hua Chao CTO from Alcatel Shanghai Bell Co.

Discussion:

Decision:

A separate indication for the recounting is needed.

- A new codepoint can be defined
 - It indicates that recounting is ongoing and that the service is sent in PTM unmodified.

This will be captured in the R2-051557. The document was noted

R2-051269	Proposed CR to 25.331 [Rel-6] on various MBMS corrections	ZTE Corporation
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This document was presented by Min Fang from ZTE Corporation.

Discussion:

Change #5 is discussed in as separate document.

Decision: Agreed in principle. It will be merged in the R2-051557.

R2-051281	Proposed CR to 25.331 [Rel-6] on the UE reading of the SFN of neighbouring cell	Alcatel Shanghai Bell Co
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This document was presented by Chao Hua CTO from Alcatel Shanghai Bell Co.

Discussion:

The "IBS" should be deleted for the procedural section immediately below the changes. This should be done in the general RRC CR in R2-051557.

Decision: The proposed changes are correct in principle, but there is no need to capture them in the specifications. The document was noted

R2-051288	Proposed CR to 25.331 [Rel-6] on unnecessary responding to the released MBMS services	Alcatel Shanghai Bell Co
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This document was presented by Chao Hua CTO from Alcatel Shanghai Bell Co.

Discussion:

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An LS on similar issues will be received and it may help to clarify the needed solution. Some companies do not want to specify the UE behaviour too much in detail.

Decision: Contributions that analyze the problem at high level are invited. The document was noted.

R2-051289	Cell update when applying FLC	Alcatel Shanghai Bell Co
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This document was presented by Chao Hua from Alcatel Shanghai Bell Co.

Discussion:

There is already a mechanism (IE "MBMS PL Service Restriction Information" in cell update confirm message) to indicate congestion on the preferred layer that may help to solve the same problem.

Decision: The solution proposed is not agreed since the existing solution is deemed sufficient. The document was noted.

R2-051327	Proposed CR to 25.331 on Timing of MCCH reconfiguration	LG Electronics
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This document was presented by YoungDae Lee from LG Electronics.

Discussion:

The change of MCCH is very infrequent. UTRAN can always send the old MCCH configuration and the new MCCH configuration during the transient period.

Decision: The improvement proposed is not agreed. The document was Noted.

R2-051328	Proposed CR to 25.331 on UE processes in RRC states for MBMS	LG Electronics
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This document was presented by YoungDae Lee from LG Electronics.

Discussion:

Decision: Agreed in principle. It will be included in the generic RRC CR R2-051557.

R2-051374	Proposed CR to 25.331 [Rel-6] on MBMS asn1 issues	Ericsson
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

IntraFrequencyCellId should be used instead of maxCellMeas.

For issue 26 we should only reference SIB 11 to avoid the ambiguity.

Issue 13: The range should be 1 to 16. The semantics description should be corrected.

Issue 8: The changes overlap with changes in CR 2579. The final versions of these CRs should be harmonized so that it will be easy to implement the changes.

Issue 8: PTM-RLC-Mode-r6 should be renamed into RLC-Mode-MBMS-r6

Decision: The document is revised into R2-051559 (CR number 2613) and it is agreed (no need to come back).

R2-051377	Proposed CR to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola
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The document was revised in R2-051558:

R2-051558	Proposed CR to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

The requirement in 8.5.15.5 should be clarified to include the serving cell.

Decision: Revised in R2-051563 (CR number 2614, Ericsson):

R2-051563	Proposed CR 2614 to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

Decision: Agreed (as it was).

R2-051436	MBMS corrections on signaling optimization	Samsung
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This document was presented by Kyeongin Jeong from Samsung.

Discussion:

The deletion of the codepoint in 10.2.16m should be undone.

TS number and CR number of the RAN3 CR should be indicated in the coversheet.

The sentence : "Identified by the identity of the MBMS service the UE would like to receive " should be replaced by: "the preferred frequency is identified by the identity of the MBMS service the UE would like to receive"

Editorial comments.

Decision: The document is revised in R2-051562 (CR number 2615, Samsung) and it is agreed (no need to come back).

R2-051478	Proposed CR to 25.331 [Rel-6] on correction to MBMS procedures	Siemens
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The document was withdrawn before presentation.

R2-051490	Proposed revision of behaviour for MCCH acquisition	Siemens
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This document was withdrawn before presentation.

11.3.2 TS 25.322 - RLC Protocol

R2-051254	Proposed CR to 25.322 [Rel-6] on Clarification on operation when MCCH RLC entity re-establishment is performed	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

The statement should be modified requiring the receiving entity to stop all the timers.

Decision: Revised in R2-051564 (CR 0282, Huawei), which is agreed (no need to come back).

R2-051255	Proposed CR to 25.322 [Rel-6] on Operation when OSD_Window_Size is reconfigured	Huawei
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This document was presented by Hao Hu from Huawei.

Discussion:

The inequality should be revised to include the "=" sign on the left side.

Decision: Agreed with the above changes and merged into R2-051564.

R2-051266	Withdrawn document on More clarification on selective combining with soft information for MBMS	Alcatel Shanghai Bell Co
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The document was not presented during the meeting.

R2-051419	Proposed CR to 25.322 [Rel-6] on correction to OOS	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Decision: The changes are agreed in R2-051565 (CR number 0281, LG Electronics). No need to come-back.

R2-051420	Proposed CR to 25.322 [Rel-6] on Correction to operation of Timer_OSD	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Decision: More offline discussions are needed. Documents are invited. The document was noted.

11.3.3 TS 25.321 – MAC Protocol

There was no input under this agenda item.

11.3.4 TS 25.323 - PDCP

R2-051331	CR to 25.323 [Rel-6] on PDCP for MBMS	LG Electronics
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This document was presented by MyungCheul Jung from LG Electronics.

Discussion:

Some aspects needs further discussion and should be marked with FFS.

Decision: With the changes noted above the CR is agreed in R2-051566 (CR 0060rev1, LG Electronics).
(no need to come back).

11.3.5 Other

R2-051264	Proposed CR to 25.304 [Rel-6] on Addition of idle mode cell selection due to FLD	Alcatel Shanghai Bell Co
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This document was presented by Hua Chao CTO from Alcatel Shanghai Bell Co.

Discussion:

The changes to the figure should be undone, since they are not in line with the detailed procedure in 25.331.

The changes in 8.4.1.3 are not agreed.

The sentence in 5.2.2.1 should be replaced by: "When the MBMS frequency layer dispersion is triggered, the UE actions are specified in [4]".

Decision: The document is revised in R2-051567 (CR number 0140, Alcatel Shanghai Bell), which is agreed (no need to come back).

R2-051502	Proposed CR to 25.304 [Rel-6] on MBMS Frequency Layer Convergence	Vodafone Group
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This document was presented by Chris Bethell from Vodafone Group.

Discussion:

The new sentence may have to be aligned with the latest version of TS 25.304.

Decision: The document is revised in R2-051568 (CR number 0141, Vodafone), which is agreed (no need to come back)

12 Enhanced Uplink

12.1 Incoming LS

R2-051660	(R1-050557, to RAN2). LS on E-DCH RRM measurements	RAN WG1
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This Liaison Statement was presented by Hakan Olöfsson from Ericsson.

Discussion:

Decision: The LS was noted. This will be captured in the Stage 2.

R2-051348	(R1-050374, Cc RAN2). Reply LS (to R4-050286) on Performance Targets for HSUPA signalling channels	RAN WG1
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This Liaison Statement was presented by Hector Vayanos from Qualcomm.

Discussion:

Decision: The LS was noted.

R2-051695	(R1-050569, to RAN2). LS on periodic transmission for EUL outer loop power control	RAN WG1
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The liaison statement was postponed for the next meeting.

12.2 Stage 2 inputs

R2-051403	Updated stage 2 following RAN2#46bis, for information	Nortel
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This document was presented by Charles Filiatraut from Nortel.

Discussion:

Decision: This version of the document was endorsed.

Open issue list (for reference. Source: RAN WG2 convenor, previous meeting):

1. RRM
 - 1.1. Reporting from Node-B (cell) to RNC
 - 1.2. Grant of resource from RNC to Node-B (cell)
 - 1.3. Arbitration between cells: overload handling, role for overload indicator, role of RNC...
 - 1.4. Rules set on the Node-B i.e. what needs to be specified for the Node-B criteria to send a down, etc
 - 1.5. CAC in RNC
2. Signaling
 - 2.1. Optimization of procedures for which scenarios?
we started to have discussions in L2 vs L3 mechanism, and UE based vs UE controlled. We need to close on this, although UE based/L3 based is the minimum of what will be supported
 - 2.2. TTI reconfiguration: which procedures?
It can be considered concluded?
 - 2.3. E-DCH to DCH reconfiguration: procedure and criteria?
is there in fact anything to address?
 - 2.4. Direct transition from Idle to CELL_DCH on E-DCH
 - 2.5. Relationship between the Serving E-DCH cell and the HS-DSCH Serving cell
 - 2.6. E-DCH impact on capacity consumption model
RAN WG3
 - 2.7. Optimization of re-ordering functionality?
 - 2.8. Text for inclusion of E-TFC size table signaling to the UE (sec 12.2)
3. Power offset setting
 - 3.1. Need for de-boost power offset
RAN WG1 concluded. We need some text.
 - 3.2. Need to signal the "reference E-TFC", or fixed in standard
RAN WG1 concluded. We need some text.
 - 3.3. need for several "reference E-TFC"
RAN WG1 concluded. We need some text.

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- 3.4. Need for size 0 TrBlick
- 3.5. Need to signal reference E-TFCs and corresponding power offsets also to Node B
Agreement made. need to be captured in Stage 2
- 3.6. Need to signal power offsets per MAC-d flow to Node B
Agreement made. need to capture in stage 2

- 4. E-TFC selection
 - 4.1. compressed mode interactions
joint with RAN WG1 (RAN WG1 can lead and communicate to RAN WG2)
 - 4.2. lack of power behavior during TTI (power scaling)
Status in RAN WG1 and RAN WG4?
 - 4.3. Need for an additional mechanism to address starvation for certain logical channels?
 - 4.4. Minimum Set for E-DCH
 - 4.5. Need to take into account power back-off in power reporting/happy bit?
 - 4.6. Text for inclusion of non-scheduled transmission decisions in stage 2, sec 11.2

- 5. Scheduler
 - 5.1. Size of fields in Scheduling info
 - 5.2. When Scheduling Information is sent with scheduled data, Transmission reliability mechanism
 - 5.3. In case Scheduling Information is sent with non-scheduled data, use of a special rule for setting the power offset
 - 5.4. Selection and update of Serving RLS and/or Serving cell?
 - 5.5. Duration of Absolute grants: need? how many values, which ones?
 - 5.6. Need for priority indication in Absolute Grants
 - 5.7. use of events to trigger Scheduling Information?
 - 5.8. Rules to set to "unhappy"
 - 5.9. reservation of some HARQ processes for non-scheduled transmission for 10ms TTI
 - 5.10. QoS-related parameters from RNC to Node-B
 - 5.11. need to enable request-free access at cell loads below the capacity limit?
 - 5.12. scheduler operation based on common grant?
 - 5.13. need for autonomous ramping?
 - 5.14. need for more than 1 identifier per UE?
 - 5.15. RG step size (Serving and Non-serving case)

- 6. UE capability
 - 6.1. One HSUPA capability dependant or independent of HSDPA use?
 - 6.2. Layer 2 parameters for UE categories

- 6.3. E-DCH active set size
RAN1 and RAN4
 - 7. Testing aspects
 - 7.1. Testing methodology
 - 7.2. Radio Bearers
 - 7.3. Procedures to be tested
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12.2.1 Open issues 1 (RRM):

R2-051373	Power control stability parameters for EUL RRM	Ericsson
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Open issue 1.

This document was presented by Hakan Olósson from Ericsson.

Discussion:

It was clarified that the RTWP or ROT defines a level that the scheduler cannot exceed, but it may go lower.

Decision: The document was noted. The proposal was agreed.

R2-051344	Measurements for HSUPA congestion control	Panasonic
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Open issue 1.1.

This document was presented by Joachim Loehr from Panasonic.

Discussion:

It was clarified that conclusion 2 in this document was based on the fact that when (for example) the S-RNC reconfigures the power offset, common measurements cannot be used.

Question was raised if it was really possible that the CRNC lowers down all mobiles for one mobile.

Also, on the Iur interface, there are information between cells. Maybe an information at the cell level in the RNC may be enough.

Decision: The document was noted. The proposal was not agreed. Common measurements may be used in the Iur interface. Panasonic will pursue the discussions in RAN WG3.

R2-051381	Non scheduled load	Lucent Technologies
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Open issue 1.1.

This document was presented by Mirko Schacht from Lucent Technologies.

Discussion:

It was commented that scheduled and non-scheduled transmissions can be multiplexed in the same PDU.

It was commented that an estimation may be performed based on the reported bit rate.

Decision: The document was noted. The proposal was not agreed.

R2-051382	SHO load control	Lucent Technologies
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Open issue 1.3.

This document was presented by Mirko Schacht from Lucent Technologies.

Discussion:

(It was clarified that the overload indicator is reported to the RNC).

Question was asked on the meaning of the first sentence in the proposed text. It was clarified that the intention was that the node-B shall not send a down to non-serving cells if the n% are exceeded. The "n" are a fraction of power. Node-B estimation of this fraction n is not specified.

One alternative would be to use bit rate instead of power (but using the bit rate would bring the issue of multiple power offset).

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It was reminded that the term "overload status indicator" is used in the stage 2. Regardless of the solution, when the Node-B reaches the resource limit and needs to restrict its resources, how does it know the relative allocation between non-serving or serving E-DCH ? (especially in a multi-vendor environment).

It was commented that the exclusion of non-scheduled traffic may be useful.

Decision: See below:

R2-051394	Control over serving vs. non-serving E-DCH resource allocation	NTT DoCoMo
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Open issue 1.3.

This document was presented by Masafumi Usuda from NTT DoCoMo.

Discussion:

It was commented that if the criteria is based on the power ratio (fixed in time), which has a translation in L1 bit rate (raw bit rate before repetition), then this seems close to the Lucent proposal.

However, one difference is that: in the Lucent proposal, the estimation is done after the hybrid ARQ process (as the Lucent proposal is addressing scheduled data). The estimation is done before the hybrid ARQ process in this proposal (at the DPCCCH level).

It was commented that the estimation of the true error floating may be better in this proposal.

Decision: See below:

Decision on R2-051382 and R2-051394:

The proposal in R2-051394 was agreed. The E-DPCCCH will be used, with a reference power offset per UE. An uplink traffic load will be used. A non-serving to serving traffic load ratio will be used. Text will be proposed for the stage 2, in R2-051644.

R2-051644	Proposed Stage 2 on E-DCH and DCH	NTTDoCoMo and Lucent
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This document was revised before presentation into R2-051667:

R2-051667	Proposed Stage 2 on E-DCH and DCH	NTTDoCoMo and Lucent
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The document was noted without presentation.

R2-051396	SHO penalty signalling as long term solution for ping-pong effect	NTT DoCoMo
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Open issue 1.3.

This document was presented by Masafumi Usuda from NTT DoCoMo.

Discussion:

It was clarified that a common penalty value was assumed for all neighbour cells (in this proposal). This is introducing "fairness" between users, but how does this relate with general capacity efficiency ? It was commented that this proposal avoids dedicated signalling per UE on the Iub interface (like in the Nokia proposal). However, how does the information goes outside of the S-RNC here ?

It was commented that using penalty values by means of dedicated signalling would give better results between cells.

What are the requirements ? Using common values (a common penalisation value) for all mobiles in soft handover, or allow dedicated signalling on the Iub interface ?

It was commented that the Node-B may already be aware of the overload situation by using the happy bit. This (proposal) is moving the scheduler function towards the RNC.

A simpler solution would be to use an indication that the neighbour cell is overloaded.

If nothing is introduced in this area, it was noted that the "hardware issue" still exists. See Stage 2, clause 9.1: the S-RNC shall be notified in case of processing issue. However O&M action can be taken here instead.

Decision: The document was noted.

For the Iub interface: nothing will be introduced for this (in the Rel-6. If introduced in the Rel-7, this may still interact with Rel-6 mobiles).

For the radio interface: nothing will be added neither.

R2-051395	Report of Non-serving RLS RG for RRM	NTT DoCoMo
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The document was withdrawn before presentation.

R2-051524	Report of AGCH value for common rate control	NTT DoCoMo
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The document was withdrawn before presentation.

12.2.2 Open issues 2 (Signalling):

R2-051518	Use of E-TFCIs	LG Electronics
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This document was presented by SunDuck Chun from LG Electronics.

Discussion:

Decision: The document was noted.

12.2.3 Open issues 3 (Power offset setting):

R2-051398	Need for Outer loop power control for E-DPCCH	NTT DoCoMo
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This document was presented by Masafumi Usuda from NTT DoCoMo.

Discussion:

Decision: The document was noted. This may be re-discussed at the last meeting.

R2-051399	Periodic transmission for outer loop power control	NTT DoCoMo
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The document was not presented during the meeting.

12.2.4 Open issues 4 (E-TFC selection):

R2-051253	MAC Multiplexing and TFC Selection	Interdigital
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Open issue 4.

This document was presented by Stephen Terry from Interdigital.

Discussion:

Question was raised if transmitting more than the grant was really efficient.

Decision: The document was noted. Compared to what is allowed by the grant, scheduled information use the next lower TFC size, non-scheduled use the next higher TFC size for multiplexing of the MAC-e PDU.

R2-051283	Compressed mode interaction	NEC
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This document is superseded by R2-051380.

R2-051380	E-TFC selection and compressed mode	Infineon
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Open issue 4.1.

This document was presented by Michael Eckert from Infineon.

Discussion:

The updated MAC CR in R2-051664 captures the proposal.

Decision: The document was noted. This will be incorporated in the Stage 2.

12.2.5 Open issues 5 (Scheduler):

R2-051304	Withdrawn document on Non-serving RLS E-RGCH: validity	Samsung
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This document was not presented during the meeting.

R2-051305	Withdrawn document on Non-serving RLS E-RGCH: handling of multiple	Samsung
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	DOWNs	
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This document was not presented during the meeting.

R2-051268	Further clarifications on E-TFC selection	Infineon
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Open issue 5.

This document was presented by Hyung-Nam Choi from Infineon.

Discussion:

Decision: The document was noted.

R2-051662	Proposed way forward on precedence rule for dual E-RNTIs	Ericsson , Panasonic, NEC, Siemens
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This document was presented by Hakan Olöfsson from Ericsson.

Discussion:

Question was asked on the exact process activation states when switching between primary and secondary E-RNTI (e.g. are processes deactivated or not).

It was clarified that "0" indicates the minimum rate for the SG.

It was clarified that the intention was to move the UE to the common grant at "the right time", not to change the periodicity.

It was commented that some flexibility was lost here (e.g. RG=0). It was commented that generally, one solution would be to have one E-RNTI, rather than two (decided at the last meeting). Why would the UE need to switch very quickly between two E-RNTIs ? It was replied that re-allocating E-RNTIs was a heavy process, going up to the S-RNC.

It was commented that the use by the network of one E-RNTI should be allowed and this was confirmed. Two code points for the primary E-RNTI are needed: No grant and 0(=grant of zero) are needed. No grant implies switch to the secondary E-RNTI.

"0" in the secondary E-RNTI means no transmission.

(No grant or zero, on the secondary E-RNTI, have the same consequences).

Subclause 3.3:

In the case of parallel reception: the mobile will monitor the secondary and maintain the last received secondary E-RNTI

While the UE is on the primary, he monitors the secondary E-RNTI.

Decision: No autonomous ramping.

Convenor summary of decisions:

UE follows primary E-RNTI, no need to listen to secondary E-RNTI

- *UE receives no_grant on primary E-RNTI for all processes => switch to secondary E-RNTI*
- *UE has last process de-activated (no_grant) => continue with primary E-RNTI*
- *UE receives other value, including value zero => UE continues following primary E-RNTI*

UE follows secondary E-RNTI, it has to listen to primary E-RNTI

- *UE receives a grant or no_grant or zero on secondary E-RNTI => UE continues following secondary E-RNTI*
- *UE receives a grant or zero on primary E-RNTI => UE switches to primary E-RNTI*
- *UE receives on primary E-RNTI a no_grant for all processes or for one process -> UE continues with secondary E-RNTI*

Autonomous ramping: No

Starting point when arriving in a cell i.e. this cell becomes your serving cell?

1. *RRC tells whether secondary E-RNTI should be used first*
 2. *enabled/disabled processes follow RRC*
- *send SG in RRC optionally, absence is SG = zero*

Transition between primary switch off and first secondary reception?

- *SG = last received grant on srtni because it listened in parallel*

When switching to secondary E-RNTI, inactive processes:

- *Inactive processes disabled by RRC*
 - *Remain inactive*
- *Inactive because of scheduler when using primary E-RNTI*
 - *Become active*

UE is monitoring Serving RG when following secondary E-RNTI ? No

Impacts on scheduling info triggering ?

R2-051270	Clarification on retransmission of scheduled data	Mitsubishi Electric
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The document was not presented during the meeting.

R2-051277	Handling of Scheduling Grants on Change of E-DCH Serving RLS	Philips
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The document was not presented during the meeting.

R2-051278	State-flow Analysis of Scheduling Grant Procedures	Philips
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This document was revised before presentation in R2-051657:

R2-051657	State-flow Analysis of Scheduling Grant Procedures	Philips
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The document was not presented during the meeting.

R2-051298	Proposed CR to 25.309 [Rel-6] on Correction of E-DCH Radio Link Set	Nokia
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The document was not presented during the meeting.

R2-051300	Removal of Non-Serving RLS	Nokia
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Open issue 5.

This document was presented by Benoist Scbire from Nokia.

Discussion:

Decision: The document was noted. This will be incorporated in the stage 2.

R2-051301	Scheduling for HSUPA	Nokia
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The document was not presented during the meeting.

R2-051365	Summary of e-mail discussion on hysteresis methods	Panasonic
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Open issue 5.

This document was presented by Iochi Hitoshi from Panasonic.

Discussion:

Decision: The report was noted.

R2-051366	Proposals on hysteresis methods	Panasonic
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This proposal was withdrawn before presentation.

R2-051581	Proposed way forward on hysteresis	Ericsson, Panasonic, Nokia,
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		Siemens
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This document was presented by Hakan Olólfsson from Ericsson.

Discussion:

Decision: The proposal was agreed.

R2-051511	Non-serving RLS E-RGCH handling	Samsung
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Open issue 5.

This document was presented by Gert-jan van Lieshout from Samsung.

Discussion:

Subclause 4.1 is also dealt with in document R2-051582 (from Panasonic).

Does the "down" applies to all processes ?

Decision: *No hysteresis. The RRC, for the serving RNS, indicates the down or up step (configurable step).*

R2-051393	Issues for holding serving grant	NTT DoCoMo
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The document was not presented during the meeting.

R2-051397	Setting of Serving Grant with E-HICH Acknowledgement	NTT DoCoMo
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The document was not presented during the meeting.

R2-051410	Hysteresis for RGs from non-serving RLSs	Ericsson
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The document was not presented during the meeting.

R2-051423	Scheduling Information At Initial Burst	LG Electronics
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The document was not presented during the meeting.

R2-051424	Multiplexing of Scheduling Information	LG Electronics
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The document was not presented during the meeting.

R2-051446	MAC-e PDU building abort	Qualcomm
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The document was not presented during the meeting.

R2-051285	MAC-e PDU format with Scheduling Information	NEC
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The document was not presented during the meeting.

R2-051406	Scheduling Information periodicity and rules for inclusion in MAC-e header	Motorola
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The document was not presented during the meeting.

R2-051342	E-AGCH signalling format	Panasonic
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The document was not presented during the meeting.

R2-051392	Cancellation of AGs due to RG false alarm	NTT DoCoMo
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The document was not presented during the meeting.

R2-051481	Withdrawn document on Priority based absolute grants	Siemens
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Open issue 5.6. This document was withdrawn before presentation (not available) as superseded by R2-051371.

R2-051371	E-DCH Priority Based Scheduling	Ericsson, Siemens
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Open issue 5.6.

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This document was presented by Hakan Olöfsson from Ericsson.

Discussion:

R2-051286 was discussed.

Decision: The document was noted. 6 bits was agreed for the AGCA, however this proposal on priority is not agreed. The proces activation bit is spare when using the secondary E-RNTI.

R2-051286	Priority Indicative Absolute Grant	NEC
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Open issue 5.6.

This document was presented by Jinsock Lee from NEC.

Discussion:

Decision: The document was noted.

R2-051267	Further clarifications on Scheduling Information	Infineon
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The document was not presented during the meeting.

R2-051421	Relative Scheduling Information Reporting	LG Electronics
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The document was not presented during the meeting.

R2-051445	SI Transmission triggering schemes	Qualcomm
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The document was not presented during the meeting.

R2-051422	Uplink Signalling with Happy Bit	LG Electronics
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The document was not presented during the meeting.

R2-051284	HARQ reservation for non-scheduled transmission	NEC
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The document was not presented during the meeting.

R2-051303	UE specific limitations set by SRNC	Nokia
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The document was not presented during the meeting.

R2-051391	10 ms TTI for E-AGCH with secondary (common) E-RNTI	NTT DoCoMo
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The document was not presented during the meeting.

R2-051404	Interaction between simple per-process scheduling and dual identity transition	Nortel
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The document was not presented during the meeting.

R2-051390	Rate ramping for common rate control	NTT DoCoMo
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The document was not presented during the meeting.

R2-051480	Rule for use of 2 E-RNTIs	Siemens
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The document was not presented during the meeting.

R2-051279	Step Sizes for E-DCH Scheduling Grants	Philips
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This document was revised before presentation in R2-051658:

R2-051658	Step Sizes for E-DCH Scheduling Grants	Philips
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The document was not presented during the meeting.

R2-051302	RG Step Size for HSUPA	Nokia
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The document was not presented during the meeting.

R2-051408	Analysis of transmission and processing of Absolute Grants	Motorola
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This document was revised before presentation in R2-051576:

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R2-051576	Analysis of transmission and processing of Absolute Grants	Motorola
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The document was not presented during the meeting.

R2-051409	Non-serving cell RG adjustment size	Motorola
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The document was not presented during the meeting.

R2-051444	Relative Grant Step Size	Qualcomm
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The document was not presented during the meeting.

R2-051483	RG step size	Siemens
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The document was not presented during the meeting.

R2-051582	Correction to grants from both the serving and non-serving RLS	Panasonic
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The document was not presented during the meeting.

12.2.6 Open issue 6 (UE Capability):

R2-051407	UE capabilities in case of simultaneous HSDPA/E-DCH	Motorola
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This document was revised before presentation in R2-051575.

R2-051575	UE capabilities in case of simultaneous HSDPA/E-DCH	Motorola
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Open issues 6.1 and 6.2.

This document was presented by Agnes Revel from Motorola.

Discussion:

It was clarified that the RNC decides if it wants to "boost" the uplink or downlink and then informs the Node-B. The UE only informs the network of its capabilities at the beginning.

The UE indicates two pairs. The RNC decides and informs the Node-B.

Decision: The document was noted.

R2-051479	L2 buffers and buffer size reporting	Siemens
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Open issue 6.2.

This document was presented by Burghard Unteregger from Siemens.

Discussion:

Decision: The document was noted.

R2-051287	The relation between E-DCH Maximum Active Set size and DCH Maximum Active Set size	Mitsubishi Electric
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Open issue 6.3.

This document was presented by Hideji Wakabayashi from Mitsubishi Electric.

Discussion:

Stored preconfigurations for enhanced uplink: this was already discussed, it was agreed not to do it.

Some of the proposed text states tbd.

Decision: The document was noted.

12.2.7 Open issue 7 (Testing aspects):

R2-051482	Introduction of a Reference Radio bearer configuration for E-DCH	Siemens
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Open issue 7.2.

This document was presented by Burghard Unteregger from Siemens.

Discussion:

Is the downlink rate enough ?

Decision: The document was noted.

The reference will be HSDPA for the downlink.

Tested with fractional as well in the downlink.

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There will be an email discussion for the testing of E-DCH. This will in turn be progressed by the August meeting. With impact on 34.108 and 25.993 (which reference combinations to introduce). Rapporteur: Burghard Unteregger, Siemens.

12.2.8 Other:

R2-051343	Proposed CR to 25.309 [Rel-6] on QoS concept	Panasonic
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This document was presented by Joachim Loehr from Panasonic.

Discussion:

Decision: The contents were agreed. This will be merged by the rapporteur in the Stage 2.

R2-051670	Proposed CR 0006 to 25.309 [Rel-6] on "new Stage 2" (title tbd)	Nortel
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This document was presented by Charles Filiatraut from Nortel.

Discussion:

There is a "can be calculated" in the text.

Decision: Revised in R2-051693:

R2-051693	Proposed CR 0006rev1 to 25.309 [Rel-6] on "new Stage 2" (title tbd)	Nortel
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This document was presented by Charles Filiatraut from Nortel.

Discussion:

Decision: The CR was agreed (as it was). It was then revised over the reflector in R2-051705. Then revised in R2-051707. It was agreed.

12.3 Stage 3 inputs

12.3.1 TS 25.331 (RRĈ Protocol)

R2-051307	Aligning EUDCH Stage-3 RRC to Stage-2	Samsung
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This document was presented by Gert-jan van Lieshout from Samsung.

Discussion:

Decision: The group will come-back on the document. Later-on, the document was revised in R2-051590:

R2-051590	Aligning EUDCII Stage-3 RRC to Stage-2	Samsung
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This document was presented by Gert-jan van Lieshout from Samsung.

Discussion:

There were two open issues:

- Issues 4 and 2 in table 4.
- Two different scheduling periods (for grant and no grant) are used: this is in fact written in the stage 2 (clause 12).

For the periodicity, Motorola have a document proposing some values.

It was commented that the triggering of the scheduling information was overlapping with the MAC CR.

This needs to be cleaned.

Decision: The document was endorsed (with the comment on the triggering of scheduling information). It was revised in R2-051645. CR number is 2598. It was then revised before presentation in R2-051672:

R2-051672	Proposed CR 2598rev1 to 25.331 [Rel-6] on Alignment of EUDCH RRC Stage-3 to Stage-2 status, including handling of 2 E-RNTIs	Samsung
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This document was presented by Gert-jan van Lieshout from Samsung.

Discussion:

The ASN.1 is still missing.

Decision: The current contents were agreed. Ericsson will add the ASN.1. Agreement by Wednesday 18th May 2005. In R2-051692 (Sven Ekemark, Ericsson).

R2-051517	Editorial E-DCH clarifications	LG Electronics
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The document was not presented during the meeting.

12.3.2 TS 25.321 (MAC Protocol)

R2-051425	MAC-e PDU Format for Scheduling Information	LG Electronics
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The document was not presented during the meeting.

R2-051449	Open items list on EUL MAC Specification	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

Clause 2 captures the list of (stage 2) open items.

Clause 3 captures the list of stage 2 decisions, to be captured in the Stage 3.

Decision: The document was noted.

R2-051447	Proposed CR to 25.321 [Rel-6] on the introduction of EUL in the MAC Specification (following the conference call)	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

Decision: The document was endorsed.

R2-051448	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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This document was revised before presentation in R2-051548:

R2-051548	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

Subclauses 11.8.1.2, 11.8.1.3 and 11.8.1.5 contain additional changes compared to R2-051447 (e.g. compressed mode).

It was clarified that the distinction between primary and secondary was captured in the grant type.

The E-RNTI could be used instead of the MAC-Id.

It was reminded that on MAC-d flow level, scheduled/non-scheduled may be indicated.

It was reminded that from the Stage 2, logical channels mapped on non-scheduled MAC-d flow are always excluded.

It was clarified that in the intention, the word "trigger" was generic (including the event triggered and periodical). This word will be removed (e.g. subclause 11.8.1.1.2)

Subclause 11.8.1.1.2: "If a NACK was received": does the coding allow to receive nothing ? ("If no ACK was received" may be used instead).

Question was raised on why not using "last grant" instead of ETPR. It was replied that the relative grant should not be relative to the previous grant, but to the previous transmission.

It was clarified that A1PR is the power ratio. This is does not seem fully defined. Definitions of acronyms should not use acronyms themselves.

E-TFC selection: Question was raised on why each type of control information had a specific description.

It was commented that it should be agreed first weather there are different behaviours between grants and non grants. It was replied that this was already in the stage 2.

Decision: A final CR (containing all the change bars) will have to be produced. Revision in R2-051643:

R2-051643	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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The document was revised before presentation in R2-051664:

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R2-051664	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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The document was revised before presentation in R2-051675:

R2-051675	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

No grant changed to inactive.

Switching to be introduced.

No possibility to leave or get to 0 rate in some cases.

In 11.8.1.3.3, a sentence is unfinished.

Decision: This version was endorsed. An update will follow an email agreement, in R2-051694. CR number 0216. Agreement by Wednesday, the 18th May 2005. Was agreed over the reflector.

R2-051663	Handling of scheduling grants for MAC-e control information	Qualcomm
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The document was not presented during the meeting.

R2-051438	Scheduling Information Transmission	Qualcomm
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The document was not presented during the meeting.

R2-051439	E-DCH Transport Block Sizes	Qualcomm
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This document was presented by Etienne Chaponniere from Qualcomm.

Discussion:

Decision: The document was noted.

R2-051440	Scheduling Information Contents	Qualcomm
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The document was not presented during the meeting.

12.3.3 Other Specifications

R2-051299	Proposed CR to 25.302 [Rel-6] on Correction of E-DCH Relative Grants	Nokia
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This document was presented by Benoist Sebire from Nokia.

Discussion:

Decision: The CR was agreed, in R2-051669. CR number 0163.

R2-051405	Proposed CR to 25.306 [Rel-6] on EDCH L2 Buffer sizes	Motorola
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This document was presented by Agnes Revel from Motorola.

Discussion:

Question was raised on the categories 10, 11 and 12 in table 5.1h. It was clarified that this was consistent with table 5.2.2.2. FFS will be stated.

Comment on the naming of the parameters.

Decision: The CR was agreed in R2-051671. CR number 0118.

13 RAB Support Enhancements

13.1 Incoming LSs to RAN2 (on RAB Support Enhancements)

R2-051642	(R1-050512, to RAN2). LS on the Introduction of Streaming RABs over HSDPA	RAN WG1
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This Liaison Statement was presented by Thomas Stadler from Siemens.

Discussion:

Decision: The LS was noted.

13.2 General Decisions

R2-051308	Issues on tuning TB sizes for VoIMS	Samsung
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This document was presented by Kyeongin Jeong (In) from Samsung.

Discussion:

This will lead to a CR on 25.993.

Decision: The document was noted. There will be an email discussion to answer the points. Answers in R2-051656. Target date: end of June.

R2-051450	Proposed RABs for VoIP support	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

Decision: The document was noted. This will be pursued on the reflector and will be contained in the same email than the one dealing with R2-051308 from Samsung. (Rapporteur: Samsung).

R2-051488	Summary of Email discussion on [Point 16] LS to RAN WG4 on potential SIR estimation on SSC	Siemens
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This document was presented by Thomas Stadler from Siemens.

Discussion:

It was commented that it could be useful to add the case of (some) dedicated radio bearers to the Rel-6. In addition, it was commented that the interference perceived on the primary scrambling code was not necessarily linked with the interference on the secondary scrambling code.

It was however reminded that the reconfiguration exists already today.

Is there a power control issue with the proposal ?

There seems to be an increase of UE complexity linked with the proposal of using the secondary scrambling code in the power control. Also, foreseeing the worse case may become counter-productive here.

Decision: The document was noted. The proposal was not agreed. The SSC will not be used for VoIP. This means that the use of the SSC for Voice over IMS is not reliable for the Rel-4.

R2-051704	25.862 version 1.5.0. RAB support for IMS.	Nokia
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The document was discussed and updated over the RAN2 reflector following the meeting, before being presented to the RAN for approval to version 2.0.0.

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13.3 Change Requests

R2-051494	Proposed CR 2552 to 25.331 [Rel-5] on ROHC target mode	Siemens
R2-051495	Proposed CR 2553 to 25.331 [Rel-5] on ROHC target mode	Siemens
R2-051496	Proposed CR 0061 to 25.323 [Rel-5] on ROHC target mode	Siemens
R2-051497	Proposed CR 0062 to 25.323 [Rel-6] on ROHC target mode	Siemens

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This document was presented by Toby Proctor from Siemens.

Discussion:

It was reminded that there is an inconsistency between the CRs on 25.323 and 25.331 with regards to the messages containing the target mode IE. The target mode is not needed in (at least) the cell update confirm case. Discussions on whether this is needed or not in the radio bearer reconfiguration.

Is the intention to cover the S-RNS relocation or not ?

It is not clear from the tabular that the target mode is common to all radio bearers.

It was clarified that the intention was that if the UE receives one mode, it applies this mode to all radio bearers (this should be clarified).

Are the two different IEs needed in the radio bearer information setup list ? What exactly is allowed for transitions/contradictions ? It was clarified that this is defined in a comment in the ASN.1. This should be included in the tabular instead. But what if two different messages are used then ?

What if one mode is indicated, and then nothing is indicated for the same radio bearer ?

Decision: The IE will be added in:

- The Radio bearer setup message; and
- In the Radio Bearer Reconfiguration message, to be used in the case of:
 - Relocation with context transfer, for changes from O to R and from R to O; and
 - Relocation without context transfer.

The CRs were revised, in:

R2-051551	Proposed CR 2552rev1 to 25.331 [Rel-5] on ROHC target mode	Ericsson
R2-051552	Proposed CR 2553rev1 to 25.331 [Rel-5] on ROHC target mode	Ericsson
R2-051553	Proposed CR 0061rev1 to 25.323 [Rel-5] on ROHC target mode	Ericsson
R2-051554	Proposed CR 0062rev1 to 25.323 [Rel-6] on ROHC target mode	Ericsson

The CRs will follow an email agreement. Rapporteur: Sven Ekemark (Ericsson). (Agreement by Wednesday 18th May 2005). Then revised over the reflector in R2-051699 to R2-051702 (CRs rev2). They were agreed.

R2-051379	Proposed CR to 25.323 [Rel-5] on Performance testing of ROHC	Ericsson, Nortel
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This document was presented by Henrik Enbuske from Ericsson.

Discussion:

It was commented that the compressor to decompressor interworking may be studied, but this was already discussed in January 2005.

Decision: This will be re-visited on Wednesday. The CR was revised, in R2-051549 and R2-051550. CR numbers are 0063 and 0064:

R2-051549	Proposed CR 0063 to 25.323 [Rel-5] on Performance testing of ROHC	Ericsson, Nortel
R2-051550	Proposed CR 0064 to 25.323 [Rel-6] on Performance testing of ROHC	Ericsson, Nortel

This document was presented by Henrik Enbuske from Ericsson.

Discussion:

Decision: The CRs were agreed (as they were).

R2-051441	RLC LI Optimization	Qualcomm
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This document was presented by Etienne Chaponniere from Qualcomm.

Discussion:

It was commented that using the LI does not seem to follow a previous agreement. It was clarified that the proposal was to use one bit to indicate the beginning of the information.

Bullet points 1, 4 and 5 were challenged and could not be agreed.

The proposal is to have a functionality mandatory for the UE (with an uplink indication).

Point 4 is for the downlink (the UE indicates that it supports it).

Point 5 is for the uplink (indicates that the UE shall use it).

It was commented that this scheme was useful only if the UE performs an SDU and TTI alignment.

Decision: The document was noted.

R2-051311	Segmentation and Concatenation for VoIMS	Samsung
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This document was presented by Kyeongin Jcong (In) from Samsung.

Discussion:

It was commented that this happens every 30 frames (not every 30 secs).

The saving of one byte was challenged (is not one byte lost later-on, see figure 7). It was replied that the losing of one byte was much more seldom than the saving of one byte.

It was commented that this scheme could work only if the UE performs an SDU and TTI alignment.

Decision: The document was noted. The proposal was agreed.

The CRs will be finished by email. Until Wednesday 18th May.

Based on UE capabilities.

RLC CRs: R2-051680. CRs 0280.

RRC CRs: R2-051681. CRs 2608.

25.306 CRs: R2-051682. CRs 0119.

They were then agreed over the reflector following the meeting.

R2-051484	Proposed CR to 25.993 [Rel-6] on addition of IMS RAB configurations	Siemens
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This document was withdrawn before presentation, following the discussions in R2-051488.

R2-051485	Proposed CR to 25.306 [Rel-6] on New UE capability parameter for SIR estimation on SSC	Siemens
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This document was withdrawn before presentation, following the discussions in R2-051488.

R2-051486	Proposed CR to 25.331 [Rel-6] on New UE capability parameter for SIR estimation on SSC	Siemens
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This document was withdrawn before presentation, following the discussions in R2-051488.

14 Enhancement of the support of the Network Sharing in the UTRAN and DSAC

14.1 Incoming LSs (on Network Sharing or DSAC)

There was no input under this agenda item.

14.2 General Decisions

R2-051389	Revised document on Further discussion on allowing Network Sharing in the Rel-5	TeliaSonera
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The document was revised before presentation in R2-051516:

R2-051516	Further discussion on allowing Network Sharing in the Rel-5	TeliaSonera
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This document was presented by Anders Dählen from TeliaSonera.

Discussion:

If the ASN.1 was in the Rel-5, then the procedural text should also be in the Rel-5.

It was commented that the concept of releases was used in 3GPP. The only exception of having releases linked to a feature so far was frequency bands. But this is bending the concept of the release.

Decision: The document was noted. A TR will be proposed. See the decisions in R2-051400.

R2-051400	Proposed skeleton TR for early implementation of Domain Specific Access Control	NTT DoCoMo
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This document was presented by Takashi Suzuki from NTT DoCoMo.

Discussion:

It is proposed to have one unique TR (per feature) between all groups.

Question was raised on the criteria for adding new features if this process was started.

Decision: The document was noted. *If the SA Plenary agrees with the proposal: A TR will be proposed, under RAN2 and CT1 responsibility. In turn, the new possibility will be described and coded in the Rel-6 version of RRC (e.g. in the ASN.1 of RRC Rel-6). This will in turn be included in the Rel-6 RRC ASN.1 (written in a way that this may be moved to the Rel-5 RRC ASN.1). One TR for DSAC, one TR for network sharing.*

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R2-051401	Proposed text for the TR for early implementation of Domain Specific Access Control	NTT DoCoMo
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The document was noted without presentation.

R2-051402	Documenting early implementation of Domain Specific Access Control	NTT DoCoMo
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The document was noted without presentation.

14.3 Change Requests

R2-051437	Correction on network sharing	Samsung
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This document was presented by Kyeongin Jeong from Samsung.

Discussion:

Decision: The document was noted. The CR was revised, in R2-051577:

R2-051577	Correction on network sharing	Samsung
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This document was presented by Kyeongin Jeong from Samsung.

Discussion:

UE only should be ticked.

In the text, "Among "the" equivalent PLMNs" should be used.

Decision: The CR was agreed (with the changes) in R2-051689. CR number 2611.

15 TEI6

15.1 Incoming LSs on TEI6.

R2-051358	(R3-050320, Cc RAN2). Reply LS (to R1-041528) on Layer 1 synchronization procedure	RAN WG3
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This document was presented by Joakim Bergström from Ericsson. (A new IE on the Iub interface is needed).

Discussion:

The CR is in R2-051369.

Decision: The document was noted. (See R2-051369).

R2-051347	(OMA-LS_0012-Support-Velocity-info-in-LOC-protocols, to RAN2). Reply LS to SA2 on support for velocity information in the OMA LOC protocols	OMA
R2-051355	(S2-050951, Cc RAN2). Reply LS (to OMA-LS_0012-Support-Velocity-info-in-LOC-protocols) on OMA-LOC OMA-LS_0012-Support-Velocity-info-in-LOC-protocols	SA WG2

This document was presented by Francesco Grilli from Qualcomm.

Discussion:

This may result in a Rel-7 Work Item.

Decision: The LSs were noted.

R2-051696	(R4-050600, to RAN2). LS Reply LS on accuracy of TFC selection at RACH access for FDD	RAN WG4
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The Liaison Statement was postponed for the next meeting.

15.2 General Decisions

R2-051310	Automatic mapping of TFC and CTFC	Samsung
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The document was not presented during the meeting.

R2-051526	HFN desynchronisation problem	Samsung
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The document was not presented during the meeting.

R2-051312	Including HS-DPCCH power offset in active set update	NTT DoCoMo
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This document was presented by Minami Ishii from NTT DoCoMo.

Discussion:

ASN.1 non critical extension will be used. With a "shall" for the UE.

Decision: The document was noted.

R2-051332	Removal of signalling options	LG Electronics
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The document was withdrawn before presentation (not available).

R2-051333	RLC status report enhancement.doc	LG Electronics
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The document was withdrawn before presentation (not available).

R2-051334	Status PDU enhancement	LG Electronics
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The document was withdrawn before presentation (not available).

R2-051341	Inter-frequency measurement configuration	Alcatel
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This document was presented by Stanislas Bourdaut from Alcatel.

Discussion:

Another advantage of the proposal would be to decrease CCCH message sizes.

Decision: The proposal was not agreed.

R2-051372	General discussion on RLC enhancements	Ericsson
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The document was not presented during the meeting.

R2-051383	Proposed CR to 25.331 [Rel-6] on addition of priority service flag to paging/RRC-establishment causes for WPS calls	Lucent Technologies
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This document was revised before presentation into R2-051665:

R2-051665	Proposed CR to 25.331 [Rel-6] on addition of priority service flag to paging/RRC-establishment causes for WPS calls	Lucent Technologies, Siemens
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This document was presented by Mirko Schacht from Lucent Technologies.

Discussion:

Decision: The document was noted.

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R2-051426	Enhancement of RLC	LG Electronics
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The document was not presented during the meeting.

R2-051431	Introducing default configuration upon RB establishment	Samsung
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The document was not presented during the meeting.

R2-051432	Introduction of container to facilitate transparent transfer of UE capabilities	Samsung
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The document was not presented during the meeting.

R2-051442	RLC Reporting Enhancements	Qualcomm
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The document was not presented during the meeting.

R2-051443	RLC Prioritization Scheme	Qualcomm
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The document was not presented during the meeting.

R2-051498	Discussion on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	Nokia
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The document was not presented during the meeting.

R2-051503	New UE capability for RRM optimisation	Vodafone Group
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The document was not presented during the meeting.

15.3 Change Requests

R2-051306	Selecting the correct priority layer in HCS high mobility	Samsung
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The document was not presented during the meeting.

R2-051335	Proposed CR to 25.331 [Rel-6] on CCCH message enhancements	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

There was an outstanding question to RAN WG4. Subclause 8.6.5.12a is listed after 8.6.5.13 in the CR. R2-051326 is the companion CR on 25.993.

Decision: The CR will be agreed by email, until Tuesday (midnight Pacific Time) (final agreement). In R2-051650. CR number 2602. It was then revised in R2-051706, which was agreed..

R2-051336	Proposed CR to 25.993 [Rel-6] on CCCH message enhancements	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Decision: The CR will be agreed by email, until Tuesday (midnight Pacific Time) (final agreement). In R2-051651. CR number 0040. It was then agreed.

R2-051337	Proposed CR 2541 to 25.331 [Rel-6] on Removal of the Start value	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Is the sentence on earlier implementability really correct ? It will be removed. The category should not be 'F'.

Decision: The CR was agreed (with the two changes) in R2-051652.

R2-051338	Proposed CR to 25.331 [Rel-6] on Removal of Signalling options	LG Electronics
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This document was presented by Patrick Fischer from LG Electronics.

Discussion:

Decision: The CR was not agreed. The decision was postponed.

R2-051340	Proposed CR to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH reporting on CCCH	Nortel
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This document was presented by Claudiu Mihailescu from Nortel.

Discussion:

In subclause 10.3.7.x.x, the "no report" was questioned.

It was commented that the possibility to configure the measurement per UE would be useful (as proposed in R2-051341, Alcatel).

R2-051433 (Samsung) includes a proposal for reporting.

Decision: The content of the CR was agreed. It will be merged with a previously agreed CR from RAN2-46bis (R2-051196, CR2554rev1):

The new number is R2-051653. (CR 2554rev2):

R2-051653	Proposed CR 2554rev2 to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH reporting on CCCH	Nortel, Samsung
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This document was presented by Claudiu Mihailescu from Nortel.

Discussion:

Decision: The CR was agreed (as it was).

R2-051433	Inter-frequency RACH measurement reporting	Samsung
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(Withdrawn as included in R2-051653, merge with the Nortel CRs R2-051340 and R2-051196).

R2-051368	Proposed CR to 25.331 [Rel-6] on Quality measurement corrections	Ericsson
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This document was presented by Joakim Bergström from Ericsson.

Discussion:

Decision: Agreed in R2-051654. CR 2604.

R2-051369	Proposed CR 2539r3 to 25.331 [Rel-6] on Faster L1 DCH synchronization	Ericsson, Nokia
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This document was presented by Joakim Bergström from Ericsson.

Discussion:

Is the CR backward compatible with the current behaviour ?

The associated CR in RAN1 is R1-050529 (was R1-050445) (RAN WG1 is the leading group).

There is also a linked RAN WG3 CR.

Decision: The CR was agreed, conditionally to the RAN1 CR. Companies will check that this CR is backward compatible.

R2-051370	Proposed CR to 25.331 [Rel-6] on UTRA carrier RSSI measurement reporting	Ericsson
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This document was presented by Joakim Bergström from Ericsson.

Discussion:

Decision: The document was noted.

R2-051375	Proposed CR to 25.331 [Rel-6] on Clean-up of R6 ASN.1 leftovers	Ericsson
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This document was presented by Sven Ekemark from Ericsson.

Discussion:

It was clarified that the extensions were considered as frozen.

Decision: Agreed in R2-051655, CR 2605. This CR overrides R2-051095, CR 2543, previously agreed at RAN2-46bis.

R2-051378	Proposed CR to 25.331 [Rel-6] on SRNS relocation info	Ericsson
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The document was not presented during the meeting.

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R2-051674	Proposed CR to 25.331 [Rel-6] on erroneous implementation of CR 2501 in RRC specification v6.5.0	Nortel
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This document was presented by Claudiu Mihailescu from Nortel.

Discussion:

Decision: The CR was agreed, in R2-051687. CR 2610.

R2-051388	Proposed CR to 25.304 [Rel-6] on Correction to inter-frequency cell reselection when HCS is not used	TeliaSonera
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The document was not presented during the meeting.

R2-051412	Proposed CR 2540r1 to 25.331 [Rel-6] on Timing Maintained Hard Handover	Ericsson
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This document was presented by Joakim Bergstrom from Ericsson.

Discussion:

Second changes are not needed.

Decision: Revised in R2-051688.

R2-051688	Proposed CR 2540r1 to 25.331 [Rel-6] on Timing Maintained Hard Handover	Ericsson
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The document was not presented during the meeting.

R2-051427	Proposed CR to 25.321 [Rel-6] on Correction to MAC-hs Reset Procedure	LG Electronics
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The document was not presented during the meeting.

R2-051499	Proposed CR to 25.331 [Rel-6] on re-entry in service in CELL_PCH before T316 expiry	Nokia
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The document was not presented during the meeting.

16 Rel-6 Work Items under other WG responsibility

16.1 Incoming LSs

R2-051349	(R4-050222, to RAN2). Reply LS (to R2-050300) on Radio link failure criteria on Fractional DPCH	RAN WG4
R2-051357	(R1-050191, to RAN2). LS on Introduction of Fractional DPCH	RAN WG1

This Liaison Statement was presented by Claudiu Mihailescu from Nortel (R1-050191 was already presented during RAN2-46).

Discussion:

R2-051417 is linked with this subject.

Decision: The document was noted. See also R2-051417.

R2-051676	(R3-050771, to RAN2). Reply LS (to R2-050300) on Radio link failure criteria on Fractional DPCH	RAN WG3
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The Liaison Statement was postponed for the next meeting.

R2-051346	(C1-050798, to RAN2). Reply LS on Support of DSAC and Network sharing in Rel-5 UEs as optional features	CT WG1
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This Liaison Statement was presented by Suzuki-san from NTT DoCoMo.

Discussion:

As a consequence, there will not be any CT1 CR/TR before September.

Decision: The LS was noted. Any final decision has to be conditional to the SA Plenary approval. Still, RAN WG2 can discuss the feasibility of some technical solutions in RAN WG2. See also R2-051516 (TeliaSonera) and R2-051400, R2-041401, R2-051402 (NTT DoCoMo).

R2-051359	(R3-050356, Cc RAN2). Reply LS (to N3-050151) on network-initiated SCUDIF support	RAN WG3
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This Liaison Statement was presented by Toby Proctor from Siemens.

Discussion:

Decision: The LS was noted.

16.2 Decisions and Change Requests

R2-051417	F-DPCH: Radio Link Failure	Nokia
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This document was presented by Juho Pirskanen from Nokia.

Discussion:

(Contains a CR on 25.331).

There is a linked CR in RAN WG1. The CR can only be agreed conditionally to the agreement of the linked CR in RAN WG1.

Decision: The CR was agreed (conditionally to the agreement of the linked RAN1 CR) in R2-051646. CR number 2599.

R2-051418	Proposed CR to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup	Nokia
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This document was presented by Juho Pirskanen from Nokia.

Discussion:

Discussion on using default configuration 16 versus 15.

In the extension of the RRC Connection Request, the version should be 6xy, not 650. Also the support bit optionality (or not) is not consistent.

Also the tabular and ASN.1 for the number of E-RNTI are not aligned.

HSDCH is also used (an 'S' is missing).

Question was raised if the new default configuration would be re-usable for other use or not.

Decision: The CR was revised in R2-051647. CR number 2600.

R2-051647	Proposed CR 2600 to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup	Nokia
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This document was presented by Juho Pirskanen from Nokia.

Discussion:

Decision: Agreed in R2-051685 (CR2600rev1).

R2-051296	Proposed CR to 25.321 [Rel-6] on HS-DSCH Provided Bit Rate measurement per Cell Portion	Nokia
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This document was presented by Juha Mikola from Nokia.

Discussion:

(Following a previous LS from RAN WG1).

Decision: The CR was agreed in R2-051648. CR number 0215.

R2-051280	Proposed CR to 25.331 [Rel-6] to include PS handover to/from GERAN in the RRC Specification	Vodafone Group
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This document was revised before presentation in R2-051536.

R2-051536	Proposed CR to 25.331 [Rel-6] to include PS handover to/from GERAN in the RRC Specification	Vodafone Group
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This document was presented by Chris Bethell from Vodafone Group.

Discussion:

More information may be needed on the GERAN side.

Decision: There will be email discussions, until 2 weeks before the August meeting.

An I.S on Security for PS Handover will be sent to SA3. Final agreement by Friday the 20th May 2005. In R2-051684.

R2-051297	Proposed CR to 25.922 [Rel-6] on PS handover to/from GERAN	Nokia
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The document was not presented during the meeting.

17 Inclusion of Uplink TDOA UE Positioning method in the UTRAN specifications

17.1 Incoming LSs

There was no input under this agenda item.

17.2 Stage 2 Inputs

R2-051504	Proposed CR to 25.305 [Rel-6] on the Addition of the U-TDOA location method to the UTRAN (=R3-050454)	Cingular Wireless, T-Mobile USA, Andrew Corporation, TruePosition
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This document was revised before presentation in R2-051666:

R2-051666	Proposed CR to 25.305 [Rel-7] on Addition of the U-TDOA location method to the UTRAN (R3-050764)	Cingular Wireless, T-Mobile USA, Andrew Corporation, TruePosition
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This document was presented by from Bob Gross from TruePosition.

This Change Request was technically endorsed in RAN WG3.

Discussion:

Decision: The CR was agreed in R2-051686. CR 0105.

18 3.84 Mcps TDD Enhanced Uplink

R2-051271	TR 3.84 Mcps TDD Enhanced Uplink: RAN WG2 Stage 2 Decisions (as agreed RAN2 #46bis)	IPWireless
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This document was presented by Derek Richards from IPWireless.

Discussion:

Decision: This document was endorsed.

R2-051272	Uplink Signalling Architecture for 3.84 TDD Enhanced Uplink	IPWireless
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This document was presented by Derek Richards from IPWireless. (Three new transport channels are proposed, E-SACH_E, D and R).

Discussion:

The use of E-SACH_R was agreed in principle. It was suggested that a DCH transport channel, terminated at Node B, might be used as an alternative to E-SACH_D. It was also suggested that multiplexing scheduling information on the MAC-e header (as FDD) should be considered as an alternative to E-SACH_E

It was commented that the support of non-scheduled operation was also needed.

Decision: The document was revised, in R2-051649. R2-051649 was then withdrawn following the meeting (not available):

R2-051649	Uplink Signalling Architecture for 3.84 TDD Enhanced Uplink	IPWireless
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This document was presented by Derek Richards from IPWireless.

Discussion:

Decision: A revised version will be provided in the next two weeks.

19 Improved Support of IMS Realtime Services using HSDPA/HSUPA

R2-051411	Proposed CR to 25.331 [Rel-6] on UE L3 requirements for HS-DSCH mobility	Ericsson
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This document was presented by Joakim Bergstrom from Ericsson.

Discussion:

A note could be used instead.

Decision: The CR was agreed in R2-051578. CR 2577.

R2-051451	Out-of-sequence reception support in RLC-UM	Qualcomm
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This document was presented by Hector Vayanos from Qualcomm.

Discussion:

This included a CR to 25.322.

It was commented that there may be alternatives to that. It was replied that this one would be mandatory.

Decision: The CR was agreed (RLC) in R2-051579. CR is 0278.

RRC: Revised (e.g. ASN.1 to be included, conditional to HS-DSCH) in R2-051580. CR is 2579. Agreed.

R2-051512	Report: WI dealing with Improved support of IMS Realtime Services using HSDPA/EDCH	Cingular Wireless
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This document was presented by Don Zellmer from Cingular Wireless.

Discussion:

Decision: The document was noted.

20 CS and PS call setup delay improvement

R2-051309	Call Setup Delay for VoIP	Samsung
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The document was not presented during the meeting.

R2-051339	Proposal to decrease the call setup delay	LG Electronics
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The document was not presented during the meeting.

R2-051384	Withdrawn document on Discussion on call set up delay	Lucent Technologies
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This document was withdrawn before presentation (not available).

R2-051387	Call Setup delay analysis from commercial UMTS FDD networks	T-Mobile
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This document was withdrawn before presentation (not available).

R2-051415	Revised Work Item Sheet for CS and and PS call setup delay improvement	Nokia
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This document was presented by Juha Mikola from Nokia.

Discussion:

Decision: The document was noted. There will be an email discussion on the TR (by Friday 20th May 2005) (for the RAN2 endorsement of the TR).

R2-051416	Proposed TR for CS and and PS call setup delay improvement	Nokia
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Draft Report of the 47th TSG WG2 meeting (Athens, Greece, 09-13 May 2005)

This document was presented by Juha Mikola from Nokia.

Discussion:

Decision: There will be an email discussion on the TR (by Friday 20th May 2005) (for the RAN2 endorsement of the TR).

R2-051428	Report on E-mail discussions on CS and PS call setup delay improvement	Qualcomm
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This document was presented by Francesco Grilli from Qualcomm.

Discussion:

Inputs from operators are expected.

Decision: This will be discussed by email. Ending time before the August meeting.

R2-051429	Call setup and reconfiguration delay analysis	Qualcomm
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The document was not presented during the meeting.

R2-051487	Proposed CR to 25.993 [Rel-6] on Inclusion of high bit rate SRB	Siemens
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The document was not presented during the meeting.

R2-051493	Stored Configurations in UTRAN – Principles and Mechanism	Siemens
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The document was not presented during the meeting.

R2-051513	Text Proposal for Call setup enhancements TR: Stored configuration explicit signalling description	Siemens
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The document was not presented during the meeting.

R2-051514	Text Proposal for Call setup enhancements TR: CS(T9) and PS(T5) definition	Siemens
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This document was revised before presentation in R2-051523:

R2-051523	Text Proposal for Call setup enhancements TR: CS(T9) and PS(T5) definition	Siemens
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The document was not presented during the meeting.

21 Long Term Evolution presentations

R2-051361	(S1-050521, to RAN2). LS on Long Term Evolution for the UTRA and UTRAN	SA WG1
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This document was presented by Suzuki-san from NTT DoCoMo.

Discussion:

Decision: The LS was noted.

R2-051430	Requirements for Long Term Evolution of the Radio Network (=SRJ050021)	Qualcomm
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The document was not presented during the meeting.

22 Other Rel-7 Work Items

R2-051362	(S2-050937, to RAN2). LS on exchange of radio capabilities in CSI	SA WG2
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This Liaison Statement was postponed for the next meeting.

R2-051273	TR 25.819: 7.68Mcps TDD option: Layer 2 and 3 Protocol Aspects (as agreed RAN2 #46 bis)	IPWireless
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This document was presented by Derek Richards from IPWireless.

Discussion:

Decision: The update of the document was endorsed.

R2-051274	Proposed CR to 25.331 [Rel-7] on 7.68 Mcps TDD Option	IPWireless
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This document was presented by Derek Richards from IPWireless. (7 bits are used for the timing advance, rather than 6).

Discussion:

Decision: The proposal was agreed. This will be incorporated in the TR.

R2-051275	Proposed CR to 25.321 [Rel-7] on 7.68 Mcps TDD Option	IPWireless
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This document was presented by Derek Richards from IPWireless.

Discussion:

Decision: The proposal was agreed and will be incorporated in the TR.

R2-051276	Proposed CR to 25.306 [Rel-7] on 7.68 Mcps TDD Option	IPWireless
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This document was presented by Derek Richards from IPWireless.

Discussion:

Decision: The proposal was agreed and will be incorporated in the TR.

R2-051492	Optimization by combined Ec/No and RSCP measurement in FDD	Siemens
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The document was not presented during the meeting.

R2-051505	Inclusion of EHPLMN for Access Classes 11 and 15	Motorola
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The document was not presented during the meeting.

23 Liaison and output to other groups

23.1 TSG-RAN plenary

23.2 TSG-RAN WG1

23.3 TSG-RAN WG3

23.4 TSG-RAN WG4

23.5 TSG-RAN WG5

R2-051529	Reply LS to RAN WG5 on verification of parameters for proposed HSDPA Streaming RABs in 34.108	Cingular Wireless
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This Liaison Statement was presented by Don Zellmer from Cingular Wireless.

Discussion:

"L1" needs to be removed in the sentence indicating what RAN2 has checked (RAN WG1 will perform a separate checking) (or simply state "parameters").

The RAN box needs to be ticked also (not only the UJF box).

Decision: The LS was approved in R2-051679 (Cingular Wireless).

R2-051530	Reply LS to RAN5 on assumption on HSDPA Radio Bearer Settings in case of three Radio Bearer Multiplexing Options	Nokia
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This Liaison Statement was presented by Luis Barreto from Nokia.

Discussion:

Decision: The LS was approved (as it was).

23.5 TSG-SA and TSG-SA WGs

23.5.1 TSG-SA

23.5.2 TSG-SA WG2

23.5.3 TSG-SA WG4

23.6 TSG-CT and TSG-CT WGs

23.6.1 TSG-CT plenary

23.6.2 TSG-CT WG1

R2-051560	Proposed LS to CT1 on MBMS Cause values	Ericsson
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This Liaison Statement was presented by Sven Ekemark from Ericsson.

Discussion:

Decision: The LS was approved (as it was).

23.6.3 TSG-CT WG2

23.6.4 TSG-CT WG3

23.6.5 TSG-CT WG4

23.6.6 TSG-CT WG5

23.7 TSG-GERAN and TSG-GERAN WGs

24 Any other business

There was no input under this agenda item.

25 Closing of the meeting

The Chairman closed the meeting and thanked the delegates for their work.

Deadline for input documents for the WG2#48 meeting in London, 29 August - 02 September 2005:

- *Requesting Tdoc numbers (for all releases): Monday 22nd August, midnight Pacific time.*
- *Submission of documents: to be indicated by the chairman when the agenda will be sent by email.*

26 Approved E-mail discussions

Please use "[RAN2-47_Point n] ..." in your email title (n=1..14).

Topic **Rapporteur**

Point 1:
 R2-051308. Issues on tuning TB sizes for VoIMS and R2-051450. Proposed RABs for VoIP support
 Target date: 30th June 2005. Kyeongin Jeong (In), Samsung.

Point 2:

R2-051708	Email agreement CR 2602rev1 to 25.331 [Rel-6] on CCCH message enhancements	LG Electronics
R2-051651	Email agreement CR 0040 to 25.993 [Rel-6] on CCCH message enhancements	LG Electronics

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Rapporteur: Patrick Fischer, LG Electronics. Agreement by Tuesday 17th May (midnight pacific time). They were agreed.

Point 3:

R2-051482	Introduction of a Reference Radio bearer configuration for E-DCH	Siemens
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Burghard Unteregger, Siemens. End: 2 weeks before the August meeting.

Point 4:

R2-051570	Agreed Email agreement CR 2601rev1 to 25.331 [Rel-6] on the introduction of activation time in MBMS (re)configurations (exact title tbd)	LG Electronics
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Patrick Fischer, LG Electronics. Final deadline: Friday 20th May 2005.

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Point 5a:

R2-051536	Proposed CR to 25.331 [Rel-6] to include PS handover to/from GERAN in the RRC Specification	Vodafone Group
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Chris Bethell, Vodafone Group. By 2 weeks before the August meeting.

Point 5b:
 R2-051684. Associated LS to SA3 on security. Final agreement by Friday the 20th May 2005.

Point 6:

R2-051428	Report on E-mail discussions on CS and PS call setup delay improvement	Qualcomm
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Ending time before the August meeting. Rapporteur: Francesco Grilli, Qualcomm.

Point 7:

R2-051416	Proposed TR for CS and PS call setup delay improvement	Nokia
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By Friday 20th May 2005. (for the RAN2 endorsement of the TR).

Point 8:

R2-051680	Email agreement CR 0280 to 25.322 [Rel-6] on RLC LI optimisation for VoIP	Samsung
R2-051681	Email agreement CR 2608 to 25.331 [Rel-6] on RLC LI optimisation for VoIP	Samsung
R2-051682	Email agreement CR 0119 to 25.306 [Rel-6] on RLC LI optimisation for VoIP	Samsung

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By Wednesday 18th May 2005. Rapporteur: Kyeongin Jeong (In) from Samsung. Were agreed over the reflector.

Point 9:

R2-051692	Email agreement CR 2598rev2 to 25.331 [Rel-6] on Aligning EUDCH Stage-3 RRC to Stage-2 (exact title tbd)	Ericsson, Samsung
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Draft Report of the 47th TSG WG2 meeting (Athens, Greece, 09-13 May 2005)

Sven Ekemark, Ericsson. By Wednesday 18th May 2005. Was agreed over the reflector.

Point 10:

R2-051698 R2-051697	Email agreement CR 2609rev24 to 25.331 on signalling of MBMS SCCPCH Power Offset	Panasonic
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Frederic Charpentier, Panasonic. By Wednesday 18th May 2005. Was agreed following the meeting.

Point 11:

R2-051683	Email agreement CR 2561rev1 to 25.331 [Rel-6] to include counting for cell_PCH/Cell_FACH and ptp bearer request	Siemens, Samsung
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Himke van der Velde, Samsung. By Wednesday 18th May 2005. Was agreed following the meeting.

Point 12:

R2-051699 R2-051591	Proposed CR 2552rev24 to 25.331 [Rel-5] on ROHC target mode	Siemens
R2-051700 R2-051592	Proposed CR 2553rev24 to 25.331 [Rel-6] on ROHC target mode	Siemens
R2-051701 R2-051593	Proposed CR 0061rev24 to 25.323 [Rel-5] on ROHC target mode	Siemens
R2-051702 R2-051594	Proposed CR 0062rev24 to 25.323 [Rel-6] on ROHC target mode	Siemens

Sven Ekemark, Ericsson. By Wednesday, the 18th May 2005. They were agreed following the meeting.

Point 13:

R2-051694	Agreed CR 0216 to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm
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Agreement by the 18th of May. Was agreed over the reflector.

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Point 14:

R2-051703 R2-051597	Proposed CR 2548rev24 to 25.331 [Rel-6] on Miscellaneous MBMS corrections (set II)	Samsung
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By Wednesday the 18th May 2005. Himke van der Velde, Samsung. Was agreed over the reflector.

Annex A: List of delegates (attendees)

See file "Participant_List_3ppran2#47.xls" included in the zip file. Will be included with the next revision of the minutes.

Annex B: List of documents

Item ID	Convenor	2	3	1	4	(TFC Selection)
R2-051250	Agenda					
R2-051251	List of Agreed CRs from RAN2-46bis	ETSI MCC	3	1		
R2-051252	Void					
R2-051253	MAC Multiplexing and TFC Selection	Interdigital	12	2	Stephen Terry	4
R2-051254	Proposed CR to 25.322 [Rel-6] on Clarification on operation when MCCH RLC entity re-establishment is performed	Huawei	11	3	2	
R2-051255	Proposed CR to 25.322 [Rel-6] on Operation when OSD_Window_Size is reconfigured	Huawei	11	3	2	
R2-051256	Interruption problem when 'Out of Sequence SUXI delivery' is configured	Huawei	11	3	2	
R2-051257	Proposed CR to 25.331 [Rel-6] on Typo Correction in Modification Period Description	Huawei	11	3	1	
R2-051258	Proposed CR to 25.331 [Rel-6] on Inter-frequency Measurement in idle, CELL_PCH and URA_PCH when UE receives MBMS	Huawei	11	3	1	
R2-051259	Proposed CR to 25.331 [Rel-6] on Failure handling of RRC connection establishment procedure for MBMS	Huawei	11	3	1	
R2-051260	Proposed CR to 25.321 [Rel-5] on Reconfiguration of MAC-hs parameters	ASUSTeK	9	3	Sam Jiang	
R2-051261	Withdrawn CR to 25.322 [Rel-5] on Reconfiguration of receiving window size	ASUSTeK	9	3	Sam Jiang	
R2-051262	Proposed CR to 25.322 [Rel-5] on Erroneous Sequence Number definition	ASUSTeK	9	3	Sam Jiang	
R2-051263	Proposed CR to 25.322 [Rel-5] on Selecting a PDU to transmit a poll	ASUSTeK	9	3	Sam Jiang	
R2-051264	Proposed CR to 25.304 [Rel-6] on Addition of idle mode cell selection due to FLD	Alcatel Shanghai Bell Co	11	3	5	Hua Chao CTO
R2-051265	Proposed CR to 25.331 [Rel-6] on MBMS corrections on required UE action	Alcatel Shanghai Bell Co	11	3	1	Hua Chao CTO
R2-051266	Withdrawn document on More clarification on selective combining with soft information for MBMS	Alcatel Shanghai Bell Co	11	3	2	Hua Chao CTO
R2-051267	Further clarifications on Scheduling Information	Infineon	12	2		Hyung-Nam Choi
R2-051268	Further clarifications on E-TFC selection	Infineon	12	2		Hyung-Nam Choi

		ZTE Corporation	11	3	1	Choi
R2-051249	Proposed CR to 25.331 [Rel-6] on various MBMS corrections	Mitsubishi Electric	12	2		Min Fang
R2-051270	Clarification on retransmission of scheduled data	IPWireless	18			Noriyuki FUKUI
R2-051271	TR 3.84 Mcps TDD Enhanced Uplink: RAN WG2 Stage 2 Decisions (as agreed RAN2 #46bis)	IPWireless	18			
R2-051272	Uplink Signalling Architecture for 3.84 TDD Enhanced Uplink	IPWireless	22			
R2-051273	TR 25.819: 7.68Mcps TDD option: Layer 2 and 3 Protocol Aspects (as agreed RAN2 #46 bis)	IPWireless	22			
R2-051274	Proposed CR to 25.331 [Rel-7] on 7.68 Mcps TDD Option	IPWireless	22			
R2-051275	Proposed CR to 25.321 [Rel-7] on 7.68 Mcps TDD Option	IPWireless	22			
R2-051276	Proposed CR to 25.306 [Rel-7] on 7.68 Mcps TDD Option	Philips	12	2		Paul Bucknell
R2-051277	Handling of Scheduling Grants on Change of E-DCH Serving RLS	Philips	12	2		Paul Bucknell
R2-051278	State-flow Analysis of Scheduling Grant Procedures	Philips	12	2		Paul Bucknell
R2-051279	Step Sizes for E-DCH Scheduling Grants	Vodafone Group	16			Bucknell
R2-051280	Proposed CR to 25.331 [Rel-6] to include PS handover to/from GERAN in the RRC Specification	Alcatel Shanghai Bell Co.	11	3	1	Chao Hua CTO
R2-051281	Proposed CR to 25.331 [Rel-6] on the UE reading of the SFN of neighbouring cell	Alcatel Shanghai Bell Co.	11	2		Chao Hua CTO
R2-051282	MBMS Repetition Flag, impact on the UE resource and battery	NEC	12	2		Jinsook Lee
R2-051283	Compressed mode interaction	NEC	12	2		Jinsook Lee
R2-051284	HARQ reservation for non-scheduled transmission	NEC	12	2		Jinsook Lee
R2-051285	MAC-e PDU format with Scheduling Information	NEC	12	2		Jinsook Lee
R2-051286	Priority Indicative Absolute Grant	Mitsubishi Electric	12	2		Hideji Wakabayashi
R2-051287	The relation between E-DCH Maximum Active Set size and DCH Maximum Active Set size	Alcatel Shanghai Bell Co.	11	3	1	Hua Chao
R2-051288	Proposed CR to 25.331 [Rel-6] on unnecessary responding to the released MBMS services	Alcatel Shanghai Bell Co.	11	3	1	Hua Chao
R2-051289	Cell update when applying FLC	Nokia	9	3		
R2-051290	Proposed CR to 25.306 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3		
R2-051291	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3		

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R2-051292	Proposed CR to 25.302 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	
R2-051293	Revised CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	
R2-051294	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of SSdT	Nokia	9	3	
R2-051295	Proposed CR to 25.922 [Rel-6 version, Rel-5 affected] on Feature Clean Up: Removal of SSdT	Nokia	9	3	
R2-051296	Proposed CR to 25.321 [Rel-6] on HS-DSCH Provided Bit Rate measurement per Cell Portion	Nokia	16		
R2-051297	Proposed CR to 25.922 [Rel-6] on PS handover to/from GERAN	Nokia	16		
R2-051298	Proposed CR to 25.309 [Rel-6] on Correction of E-DCH Radio Link Set	Nokia	12	2	5
R2-051299	Proposed CR to 25.302 [Rel-6] on Correction of E-DCH Relative Grants	Nokia	12	3	3
R2-051300	Removal of Non-Serving RLS	Nokia	12	2	5
R2-051301	Scheduling for HSUPA	Nokia	12	2	5
R2-051302	RG Step Size for HSUPA	Nokia	12	2	5
R2-051303	UE specific limitations set by SRNC	Nokia	12	2	5
R2-051304	Withdrawn document on Non-serving RLS E-RGCH: validity	Samsung	12	2	5
R2-051305	Withdrawn document on Non-serving RLS E-RGCH: handling of multiple DOWNS	Samsung	12	2	5
R2-051306	Selecting the correct priority layer in HCS high mobility	Samsung	15	3	
R2-051307	Aligning EUDCH Stage-3 RRC to Stage-2	Samsung	12	3	1
R2-051308	Issues on tuning TB sizes for VoIMS	Samsung	13	2	
R2-051309	Call Setup Delay for VoIP	Samsung	20		
R2-051310	Automatic mapping of TFC and CTFC	Samsung	15	2	
R2-051311	Segmentation and Concatenation for VoIMS	Samsung	15	2	
R2-051312	Including HS-DPCCH power offset in active set update	NTT DoCoMo	15	2	
R2-051313	Proposed CR to 25.301 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051314	Proposed CR to 25.301 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051315	Proposed CR to 25.302 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051316	Proposed CR to 25.302 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051317	Proposed CR to 25.303 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051318	Proposed CR to 25.303 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	
R2-051319	Proposed CR to 25.306 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics	9	3	

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CR No.	Description	LG	9	3	YoungDae Lee
R2-051320	Proposed CR to 25.306 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	Electronics	9	3	YoungDae Lee
R2-051321	Proposed CR to 25.321 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	Electronics	9	3	YoungDae Lee
R2-051322	Proposed CR to 25.321 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	Electronics	9	3	YoungDae Lee
R2-051323	Proposed CR to 25.331 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	Electronics	9	3	Patrick Fischer
R2-051324	Proposed CR to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	Electronics	9	3	Patrick Fischer
R2-051325	Proposed CR to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	Electronics	11	2	Patrick Fischer
R2-051326	Email discussion on Validity of PTM configurations	Electronics	11	3	Patrick Fischer
R2-051327	Proposed CR to 25.331 on Validity of PTM configurations	Electronics	11	3	Patrick Fischer
R2-051328	Proposed CR to 25.331 on Timing of MCCH reconfiguration	Electronics	11	3	YoungDae Lee
R2-051329	Proposed CR to 25.331 on UE processes in RRC states for MBMS	Electronics	11	3	YoungDae Lee
R2-051330	Proposed CR to 25.331 on signalling of MBMS SCCPCH Power Offset	Electronics	11	3	YoungDae Lee
R2-051331	Proposed CR to 25.331 on MBMS transmission group identity	Electronics	11	3	MyungCheul Jung
R2-051332	CR to 25.323 [Rel-6] on PDCP for MBMS	Electronics	15	2	Patrick Fischer
R2-051333	Removal of signalling options	Electronics	15	2	MyungCheul Jung
R2-051334	RLC status report enhancement.doc	Electronics	15	2	MyungCheul Jung
R2-051335	Status PDU enhancement	Electronics	15	2	MyungCheul Jung
R2-051336	Proposed CR to 25.331 [Rel-6] on CCCH message enhancements	Electronics	15	3	Patrick Fischer
R2-051337	Proposed CR to 25.993 [Rel-6] on CCCH message enhancements	Electronics	15	3	Patrick Fischer
R2-051338	Proposed CR 2541 to 25.331 [Rel-6] on Removal of the Start value	Electronics	15	3	Patrick Fischer
R2-051339	Proposed CR to 25.331 [Rel-6] on Removal of Signalling options	Electronics	15	3	Patrick Fischer
R2-051340	Proposal to decrease the call setup delay	Electronics	15	3	Patrick Fischer
R2-051340	Proposed CR to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH reporting on CCCH	Electronics	20		Patrick Fischer
R2-051340	Proposed CR to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH reporting on CCCH	Nortel	15	3	Patrick Fischer

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		15	2	15	2	5	5	and 15.3
R2-051341	Inter-frequency measurement configuration	Alcatel	12	2			5	
R2-051342	E-AGCH signalling format	Panasonic	12	2			5	
R2-051343	Proposed CR to 25.309 [Rel-6] on QoS concept	Panasonic	12	2			1	
R2-051344	Measurements for HSUPA congestion control (C1-050797, to RAN2). LS on NAS actions in support of MBMS Reception (Reply LS on 'release' of non-prioritised non-MBMS PS services)	Panasonic	12	2			1	
R2-051345	(C1-050798, to RAN2). Reply LS on Support of DSAC and Network sharing in Rel-5 UEs as optional features	CT WG1	11	1				
R2-051346	(OMA-LS_0012-Support-Velocity-info-in-LOC-protocols, to RAN2). Reply LS to SA2 on support for velocity information in the OMA LOC protocols	CT WG1	16	1				
R2-051347	(R1-050374, Cc RAN2). Reply LS (to R4-050286) on Performance Targets for HSUPA signalling channels	OMA	15	1				
R2-051348	(R4-050222, to RAN2). Reply LS (to R2-050300) on Radio link failure criteria on Fractional DPCH	RAN WG1	12	1				
R2-051349	(R5-050888, to RAN2). LS on loopback for HSDPA	RAN WG4	16	1				
R2-051350	(R5-050999, to RAN2). LS on assumption on HSDPA Radio Bearer Settings in case of three Radio Bearer Multiplexing Options	RAN WG5	9	1				
R2-051351	(S2-050946, Cc RAN2). Reply LS (To GERAN2) on MBMS Session Duration IE	RAN WG5	9	1				
R2-051352	(S2-050948, Cc RAN2). Reply LS (to S4-050141) on MBMS User Service finalization	SA WG2	11	1				
R2-051353	(S2-050949, Cc RAN2). Reply LS (to S4-050198) on MBMS Session Repetition	SA WG2	11	1				
R2-051354	(S2-050951, Cc RAN2). Reply LS (to OMA-LS_0012-Support-Velocity-info-in-LOC-protocols) on OMA-LOC OMA-LS_0012-Support-Velocity-info-in-LOC-protocols	SA WG2	11	1				
R2-051355	(S2-050968, to RAN2). LS on MBMS Bearer Capability use (reply LS to N1-050206 on AS-NAS interaction for MBMS)	SA WG2	15	1				
R2-051356	(R1-050191, to RAN2). LS on Introduction of Fractional DPCH	SA WG2	11	1				
R2-051357	(R3-050320, Cc RAN2). Reply LS (to R1-041528) on Layer 1 synchronization procedure	RAN WG1	16	1				
R2-051358	(R3-050356, Cc RAN2). Reply LS (to N3-050151) on network-initiated SCUDIF support	RAN WG3	15	1				
R2-051359	(R5-050993, to RAN2). LS on verification of parameters for proposed HSDPA Streaming RABs in 34.108	RAN WG3	16	1				
R2-051360	(S1-050521, to RAN2). LS on Long Term Evolution for the UTRA and UTRAN	RAN WG5	9	1				
R2-051361	(S2-050937, to RAN2). LS on exchange of radio capabilities in CSI	SA WG1	21					
R2-051362	(S3-050308, Cc RAN2). LS on LS on Keystatus sent by CN node in Security Mode Command	SA WG2	22					
R2-051363	(RT-050011, to RAN2). LS on Update Submission for UTRA FDD and TDD toward Revision 6 of Recommendation ITU-R M.1457	SA WG3	9	1				
R2-051364	Summary of e-mail discussion on hysteresis methods	TSG-RAN	6	1				
R2-051365	Proposals on hysteresis methods	ITU-R Ad Hoc						
R2-051366	Proposed CR to 25.331 [Rel-5] on Clarification of CTFc calculation	Panasonic	12	2				5
R2-051367	Proposed CR to 25.331 [Rel-6] on Quality measurement corrections	Panasonic	12	2				5
R2-051368		Ericsson	9	3				
R2-051369		Ericsson	15	3				

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Item ID	Item Description	Responsible Party	Start Date	End Date	Priority	Status
R2-051369	Agreed CR 2539/3 to 25.331 [Rel-6] on Faster L1 DCH synchronization	Ericsson, Nokia	15	3		
R2-051370	Proposed CR to 25.331 [Rel-6] on UTRA carrier RSSI measurement reporting	Ericsson	15	3		
R2-051371	E-DCH Priority Based Scheduling	Ericsson, Siemens	12	2		5 6
R2-051372	General discussion on RLC enhancements	Ericsson	15	2		
R2-051373	Power control stability parameters for EUL RRM	Ericsson	12	2		
R2-051374	Proposed CR to 25.331 [Rel-6] on MBMS asn1 issues	Ericsson	11	3	1	
R2-051375	Proposed CR to 25.331 [Rel-6] on Clean-up of R6 ASN.1 leftovers	Ericsson	15	3		
R2-051376	Limitations of RLC OSD feature	Ericsson	11	2		
R2-051377	Proposed CR to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola	11	3	1	
R2-051378	Proposed CR to 25.331 [Rel-6] on SRNS relocation info	Ericsson	15	3		
R2-051379	Proposed CR to 25.323 [Rel-5] on Performance testing of ROHC	Ericsson, Nortel	13	3		
R2-051380	E-TFC selection and compressed mode	Infinion	12	2		4 1
R2-051381	Non scheduled load	Lucent Technologies	12	2		1 1
R2-051382	SHO load control	Lucent Technologies	12	2		1 3
R2-051383	Proposed CR to 25.331 [Rel-6] on addition of priority service flag to paging/RRC-establishment causes for WPS calls	Lucent Technologies	15	2		
R2-051384	Withdrawn document on Discussion on call set up delay	Lucent Technologies	20			
R2-051385	Proposed CR to 25.993 [Rel-6] on Inclusion of HSDPA RABs already defined in 34.108	Siemens, T-Mobile	9	3		
R2-051386	Discussion on RAB vs RB definition, notation syntax and ways forward on the definition of HSDPA and EUL Radio Bearers in 25.993	T-Mobile	9	2		
R2-051387	Call Setup delay analysis from commercial UMTS FDD networks	T-Mobile	20			
R2-051388	Proposed CR to 25.304 [Rel-6] on Correction to inter-frequency cell reselection when HCS is not used	TeliaSonera	15	3		
R2-051389	Revised document on Further discussion on allowing Network Sharing in the Rel-5	TeliaSonera	14	2		
R2-051390	Rate ramping for common rate control	NTT DoCoMo	12	2		5 13
R2-051391	10 ms TTI for E-AGCH with secondary (common) E-RNTI	NTT DoCoMo	12	2		5 12
R2-051392	Cancellation of AGs due to RG false alarm	NTT DoCoMo	12	2		5 5
R2-051393	Issues for holding serving grant	NTT DoCoMo	12	2		5
R2-051394	Control over serving vs. non-serving E-DCH resource allocation	NTT DoCoMo	12	2		1 3

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Item	Description	Company	Doc No	Page	Author	Version
R2-051436	Report of Non-serving RLS RG for RRM	NTT DoCoMo	12	2	Usuda Masafumi	1
R2-051436	SHO penalty signalling as long term solution for ping-pong effect	NTT DoCoMo	12	2	Usuda Masafumi	1
R2-051437	Setting of Serving Grant with E-HICH Acknowledgement	NTT DoCoMo	12	2	Usuda Masafumi	3
R2-051438	Need for Outer loop power control for E-DPCCH	NTT DoCoMo	12	2	Usuda Masafumi	5
R2-051439	Periodic transmission for outer loop power control	NTT DoCoMo	12	2	Usuda Masafumi	3
R2-051440	Proposed skeleton TR for early implementation of Domain Specific Access Control	NTT DoCoMo	16		Usuda Masafumi	
R2-051441	Proposed text for the TR for early implementation of Domain Specific Access Control	NTT DoCoMo	16		Takashi Suzuki	
R2-051442	Documenting early implementation of Domain Specific Access Control	NTT DoCoMo	16		Takashi Suzuki	
R2-051443	Updated stage 2 following RAN2#46bis, for information	Nortel	12	2		
R2-051444	Interaction between simple per-process scheduling and dual identity transition	Nortel	12	2		5
R2-051445	Proposed CR to 25.306 [Rel-6] on EDCH L2 Buffer sizes	Motorola	12	3		12
R2-051446	Scheduling Information periodicity and rules for inclusion in MAC-e header	Motorola	12	2		5
R2-051447	UE capabilities in case of simultaneous HSDPA/E-DCH	Motorola	12	2		2 and 5.3, 5.7
R2-051448	Analysis of transmission and processing of Absolute Grants	Motorola	12	2		6
R2-051449	Non-serving cell RG adjustment size	Motorola	12	2		1 and 6.2
R2-051450	Hysteresis for RGs from non-serving RLSs	Ericsson	12	2		5
R2-051451	Proposed CR to 25.331 [Rel-6] on UE L3 requirements for HS-DSCH mobility	Ericsson	19			
R2-051452	Proposed CR 2540r1 to 25.331 [Rel-6] on Timing Maintained Hard Handover	Ericsson	15	3		
R2-051453	Proposed CR to 25.331 [Rel-5] on Correction to handling of keys at inter-RAT handover	Ericsson	9	3		
R2-051454	Withdrawn document on inter-RAT cell change	Ericsson	9	2		
R2-051455	Revised Work Item Sheet for CS and PS call setup delay improvement	Nokia	20			
R2-051456	Proposed TR for CS and PS call setup delay improvement	Nokia	20			
R2-051457	F-DPCH: Radio Link Failure	Nokia	16			
R2-051458	Proposed CR to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup	Nokia	16			
R2-051459	Proposed CR to 25.322 [Rel-6] on correction to OOS	LG Electronics	11	3		
R2-051460	Proposed CR to 25.322 [Rel-6] on Correction to operation of Timer_OSD	LG Electronics	11	3		
R2-051461	Relative Scheduling Information Reporting	LG Electronics	12	2		

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R2-051427		12	2	5	8	
R2-051427	Uplink Signalling with Happy Bit	LG Electronics	12	2	SungDuck Chun	
R2-051433	Scheduling Information At Initial Burst	LG Electronics	12	2	SungDuck Chun	
R2-051434	Multiplexing of Scheduling Information	LG Electronics	12	2	SungDuck Chun	
R2-051435	MAC-e PDU Format for Scheduling Information	LG Electronics	12	3	2	SungDuck Chun
R2-051436	Enhancement of RLC	LG Electronics	15	2	SungDuck Chun	
R2-051428	Proposed CR to 25.321 [Rel-6] on Correction to MAC-hs Reset Procedure	LG Electronics	15	3	SungDuck Chun	
R2-051429	Report on E-mail discussions on CS and PS call setup delay improvement	Qualcomm	20			
R2-051430	Call setup and reconfiguration delay analysis	Qualcomm	20			
R2-051431	Requirements for Long Term Evolution of the Radio Network	Qualcomm	21			
R2-051432	Introducing default configuration upon RB establishment	Samsung	15	2	Kyeongin Jeong	
R2-051433	Introduction of container to facilitate transparent transfer of UE capabilities	Samsung	15	2	Kyeongin Jeong	
R2-051434	Inter-frequency RACH measurement reporting	Samsung	15	3	Kyeongin Jeong	
R2-051435	MTCH reconfiguration	Samsung	11	2	Kyeongin Jeong	
R2-051436	MBMS corrections and clarifications (set III)	Samsung	11	3	1	Kyeongin Jeong
R2-051437	MBMS corrections on signaling optimization	Samsung	11	3	1	Kyeongin Jeong
R2-051438	Correction on network sharing	Samsung	14	3	Kyeongin Jeong	
R2-051439	Scheduling Information Transmission	Qualcomm	12	3	2	Etienne Chaponniere
R2-051440	E-DCH Transport Block Sizes	Qualcomm	12	3	2	Etienne Chaponniere
R2-051441	Scheduling Information Contents	Qualcomm	12	3	2	Etienne Chaponniere
R2-051442	RLC LI Optimization	Qualcomm	13	3	Etienne Chaponniere	
R2-051443	RLC Reporting Enhancements	Qualcomm	15	2	Etienne Chaponniere	
R2-051444	RLC Prioritization Scheme	Qualcomm	15	2	Etienne Chaponniere	

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Relative Grant Step Size	12	2	12	2	5	15
R2-051444	Qualcomm	12	2			5
R2-051445	Qualcomm	12	2			5
R2-051446	Qualcomm	12	2			7
R2-051447	Qualcomm	12	3	2		5
R2-051448	Qualcomm	12	3	2		
R2-051449	Qualcomm	12	3	2		
R2-051450	Qualcomm	13	2			
R2-051451	Qualcomm	13	2			
R2-051452	Qualcomm	19				
R2-051453	Motorola	11	2		Cal Zhijun	
R2-051454	Motorola	9	3			
R2-051455	Motorola	9	3			
R2-051456	Motorola	9	3			
R2-051457	Motorola	9	3			
R2-051458	Motorola	9	3			
R2-051459	Motorola	9	3			
R2-051460	Motorola	9	3			
R2-051461	Motorola	9	3			
R2-051462	Motorola	9	3			
R2-051463	Motorola	9	3			
R2-051464	Motorola	9	3			
R2-051465	Motorola	9	3			
R2-051466	Motorola	9	3			
R2-051467	Motorola	9	3			
R2-051468	Motorola	9	3			
R2-051469	Motorola	9	3			
R2-051470	Motorola	9	3			
R2-051471	Motorola	9	3			
R2-051472	Motorola	9	3			
R2-051473	Motorola	9	3			
R2-051474	Motorola	9	3			
R2-051475	Motorola	9	3			
R2-051476	Motorola	9	3			
R2-051477	Motorola	9	3			
R2-051478	Siemens	11	3	1		
R2-051479	Siemens	12	2			6

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R2-051481	Rule for use of 2 E-RNTIs	Siemens	12	2	5	14	Supersedes by R2-051371
R2-051481	Rule for use of 2 E-RNTIs	Siemens	12	2	5	14	
R2-051481	Withdrawn document on Priority based absolute grants	Siemens			7	2	
R2-051482	Introduction of a Reference Radio bearer configuration for E-DCH	Siemens	12	2	5	15	
R2-051482	RG step size	Siemens	12	2			
R2-051483	Proposed CR to 25.993 [Rel-6] on addition of IMS RAR configurations	Siemens	13	3			
R2-051484	Proposed CR to 25.306 [Rel-6] on New UE capability parameter for SIR estimation on SSC	Siemens	13	3			
R2-051485	Proposed CR to 25.331 [Rel-6] on New UE capability parameter for SIR estimation on SSC	Siemens	13	3			
R2-051486	Proposed CR to 25.993 [Rel-6] on Inclusion of high bit rate SRB	Siemens	20				
R2-051487	Summary of Email discussion on [Point 16] I.S to RAN WG24 on potential SIR estimation on SSC	Siemens	11	3			
R2-051488	Issues relating to out of sequence delivery	Siemens	11	3			
R2-051490	Proposed revision of behaviour for MCCH acquisition	Siemens	11	3			
R2-051491	Proposals relating to service identity signalling	Siemens	11	3			Withdrawn
R2-051492	Optimization by combined Ho/No and RSCP measurement in FDD	Siemens	22				
R2-051493	Stored Configurations in UTRAN - Principles and Mechanism	Siemens	20				
R2-051494	Proposed CR 2552 to 25.331 [Rel-5] on ROHC target mode	Siemens	9	3			
R2-051495	Proposed CR 2553 to 25.331 [Rel-5] on ROHC target mode	Siemens	9	3			
R2-051496	Proposed CR 0061 to 25.323 [Rel-5] on ROHC target mode	Siemens	9	3			
R2-051497	Proposed CR 0062 to 25.323 [Rel-6] on ROHC target mode	Siemens	9	3			
R2-051498	Discussion on receiving "Frequency info" IE in CELL_UPDATE_CONFIRM message	Nokia	15	2			
R2-051499	Proposed CR to 25.331 [Rel-6] on re-entry in service in CELL_PCH before T316 expiry	Nokia	15	3			
R2-051500	Proposed CR to 25.331 [Rel-5] on Default configuration 13	Nokia	9	3			
R2-051501	Proposed CR to 25.331 [Rel-5] on Transparent Mode SRB	Motorola	9	3			
R2-051502	Proposed CR to 25.304 [Rel-6] on MBMS Frequency Layer Convergence	Vodafone Group	11	3			
R2-051503	New UE capability for RRM optimisation	Vodafone Group	15	2			
R2-051504	Proposed CR to 25.305 [Rel-6] on the Addition of the U-TDOA location method to the UTRAN (=R3-050454)	Vodafone Group	15	2			
R2-051505	Inclusion of EHPLMN for Access Classes 11 and 15	Cingular Wireless, T-Mobile USA, Andrew Corporation, TruePosition	17	2			
R2-051506	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Motorola	22				
R2-051507	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens	9	3			
R2-051508	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens	9	3			

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R2-051509	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens	9	3					
R2-051510	Discussion on CTCH reception in MBMS UE	LG Electronics	11	2			Young Dae Lee		
R2-051511	Non-serving RLS E-RGCH handling	Samsung	12	2			Kyeongin Jeong (In)		5
R2-051512	Report: WI dealing with Improved support of IMS Realtime Services using HSDPA/EDCH	Cingular Wireless	19						
R2-051513	Text Proposal for Call setup enhancements TR: Stored configuration explicit signalling description	Siemens	20						
R2-051514	Text Proposal for Call setup enhancements TR: CS(T9) and PS(T5) definition	Siemens	20				R in R2-051523		
R2-051515	DL Capability with simultaneous HS-DSCH configuration UE signalling	NEC	9	2					
R2-051516	Further discussion on allowing Network Sharing in the Rel-5	TeliaSonera	14	2					
R2-051517	Editorial E-DCH clarifications	LG Electronics	12	3	1				
R2-051518	Use of E-TCIs	LG Electronics	12	2			SungDuck Chun		2
R2-051519	Introduction of activation time in MBMS (re)configurations	Ericsson	11	2					
R2-051520	Proposed CR to 34.109 [Rel-5] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent	9	3					
R2-051521	Proposed minutes of RAN2-46bis meeting, Beijing, China, 04-08 April 2005	ETSI MCC	3	1					
R2-051522	Approved minutes of RAN2-46bis meeting, Beijing, China, 04-08 April 2005	ETSI MCC	3	1					
R2-051523	Text Proposal for Call setup enhancements TR: CS(T9) and PS(T5) definition	Siemens	20						1
R2-051524	Report of AGCH value for common rate control	NTT DoCoMo	12	2			Masafumi Usuda		1
R2-051525	Work Plan	ETSI MCC	10						
R2-051526	HFN desynchronisation problem	Samsung	15	2					
R2-051527	Agreed CR 2567 to 25.331 [Rel-5] on Correction to handling of keys at inter-RAT handover	Motorola	9	3					
R2-051528	Agreed CR 2568 to 25.331 [Rel-6] on Correction to handling of keys at inter-RAT handover	Motorola	9	3					
R2-051529	Reply LS to RAN WG5 on verification of parameters for proposed HSDPA Streaming RABs in 34.108	Cingular Wireless	23						
R2-051530	Reply LS to RAN5 on assumption on HSDPA Radio Bearer Settings in case of three Radio Bearer Multiplexing Options	Nokia	23						
R2-051531	Agreed CR 0039 to 25.993 [Rel-6 version, Rel-5 affected] on Inclusion of HSDPA RABs already defined in 34.108	Siemens, T-Mobile	9	3	2				
R2-051532	Agreed CR 0209 25.321 [Rel-5] on Reconfiguration of MAC-hs parameters	ASUSTek	9	3	2				
R2-051533	Agreed CR 0210 25.321 [Rel-6] on Reconfiguration of MAC-hs parameters	ASUSTek	9	3	2				
R2-051534	Proposed CR 2569 to 25.331 [Rel-5] on Transparent Mode SRB	Motorola	9	3	2				
R2-051535	Proposed CR 2570 to 25.331 [Rel-6] on Transparent Mode SRB	Motorola	9	3	2				
R2-051536	Proposed CR to 25.331 [Rel-6] to include PS handover to/from GERAN in the RRC Specification	Vodafone Group	16						
R2-051537	Agreed CR 0035 to 34.109 [Rel-5] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent	9	3	2				

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Item	Description	Agilent	9	3	2
R2-051536	Agreed CR 0036 to 34.109 [Rel-6] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent	9	3	2
R2-051536	Agreed CR 0275 to 25.322 [Rel-5] on Erroneous Sequence Number definition	ASUSTek	9	3	2
R2-051540	Agreed CR 0276 to 25.322 [Rel-6] on Erroneous Sequence Number definition	ASUSTek	9	3	2
R2-051541	Agreed CR 0277 to 25.322 [Rel-6] on Selecting a PDU to transmit a poll	ASUSTek	9	3	2
R2-051542	Agreed CR 2571 to 25.331 [Rel-5] on Clarification of CTFC calculation	Ericsson	9	3	2
R2-051543	Agreed CR 2572 to 25.331 [Rel-6] on Clarification of CTFC calculation	Ericsson	9	3	2
R2-051544	Agreed CR 2573 to 25.331 [Rel-5] on Default RB identity in IE 'Signalling RB information to setup'	Motorola	9	3	2
R2-051545	Agreed CR 2574 to 25.331 [Rel-6] on Default RB identity in IE 'Signalling RB information to setup'	Motorola	9	3	2
R2-051546	Agreed CR 2575 to 25.331 [Rel-5] on Default configuration 13	Nokia	9	3	2
R2-051547	Agreed CR 2576 to 25.331 [Rel-6] on Default configuration 13	Nokia	9	3	2
R2-051548	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm	12	3	2
R2-051549	Agreed CR 0063 to 25.323 [Rel-5] on Performance testing of ROHC	Ericsson, Nortel	13	3	
R2-051550	Agreed CR 0064 to 25.323 [Rel-6] on Performance testing of ROHC	Ericsson, Nortel	13	3	
R2-051551	Email agreement CR 2552rev1 to 25.331 [Rel-5] on ROHC target mode	Ericsson	13	3	
R2-051552	Email agreement CR 2553rev1 to 25.331 [Rel-5] on ROHC target mode	Ericsson	13	3	
R2-051553	Email agreement CR 0061rev1 to 25.323 [Rel-5] on ROHC target mode	Ericsson	13	3	
R2-051554	Email agreement CR 0062rev1 to 25.323 [Rel-6] on ROHC target mode	Ericsson	13	3	
R2-051555	Proposed CR 0279 to 25.322 [Rel-6] on Limitations of RLC OSD feature (exact title tbd)	Ericsson	11	2	5
R2-051556	Proposed CR 2601 to 25.331 [Rel-6] on the introduction of activation time in MBMS (re)configurations (exact title tbd)	LG Electronics	11	2	1
R2-051557	Email agreement CR 2548rev1 to 25.331 [Rel-6] on Miscellaneous MBMS corrections (set II)	Samsung	10	3	1
R2-051558	Proposed CR to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola	11	2	
R2-051559	Agreed CR 2613 to 25.331 [Rel-6] on MBMS asn1 issues	Ericsson	11	2	
R2-051560	Proposed LS to CT1 on MBMS Cause values	?	23		
R2-051561	Proposed CR to 25.331 on signalling of MBMS SCCPCH Power Offset	Motorola	11	2	4
R2-051562	Agreed CR 2615 to 25.331 [Rel-6] on MBMS corrections on signaling optimization	Samsung	11	3	1
R2-051563	Agreed CR 2614 to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola	11	2	
R2-051564	Agreed CR 0282 to 25.322 [Rel-6] on Clarification on operation when MCCCH RLC entity re-establishment is performed	Huawei	11	3	2
R2-051565	Agreed CR 0281 to 25.322 [Rel-6] on correction to OOS	LG Electronics	11	3	2
R2-051566	Agreed CR 0060rev1 to 25.323 [Rel-6] on PDCP for MBMS	LG Electronics	11	3	4

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R2-051567														
R2-051568	Agreed CR 0140 to 25.304 [Rel-6] on Addition of idle mode cell selection due to FLD													
R2-051569	Agreed CR 0141 to 25.304 [Rel-6] on MBMS Frequency Layer Convergence	Alcatel Shanghai Bell Co												Hua Chao CTO
		Vodafone Group	11	3	5									
		Panasonic, Motorola, Qualcomm, Ericsson, Alcatel, Siemens, Orange	11	2	4									
R2-051570	Proposed CR 2609 to 25.331 [Rel-6] on signalling of MBMS SCCPCH Power Offset													
	Email agreement CR 2601rev1 to 25.331 [Rel-6] on the introduction of activation time in MBMS (re)configurations (exact title TBD)	LG Electronics	11	2	1									
R2-051571	Agreed CR 0279rev1 to 25.322 [Rel-6] on Clarification of the "Out of sequence SDU delivery"	Ericsson	11	2	5									
R2-051572	Void													
R2-051573	Void													
R2-051574	Void													
R2-051575	UE capabilities in case of simultaneous HSDPA/E-DCH	Motorola	12	2										6
R2-051576	Analysis of transmission and processing of Absolute Grants	Motorola	12	2										5
R2-051577	Correction on network sharing	Samsung	14	3										
R2-051578	Agreed CR 2577 to 25.331 [Rel-6] on UE L3 requirements for HS-DSCH mobility	Ericsson	19											
R2-051579	Agreed CR 0278 to 25.322 [Rel-6] on Out-of-sequence reception support in RLC-UM	Qualcomm	19											
R2-051580	Agreed CR 2579 to 25.331 [Rel-6] on Out-of-sequence reception support in RLC-UM	Qualcomm	19											
R2-051581	Proposed way forward on hysteresis	Ericsson, Panasonic, Nokia, Siemens	12	2										
R2-051582	Correction to grants from both the serving and non-serving RLS	Panasonic	12	2										5
R2-051583	Proposed CR to 25.306 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3										
R2-051584	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3										
R2-051585	Proposed CR to 25.302 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3										
R2-051586	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3										
R2-051587	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3										
R2-051588	Proposed CR to 25.331 [Rel-5] on Feature Clean Up: Removal of SSDT	Nokia	9	3										
R2-051589	Proposed CR to 25.331 [Rel-6] on Feature Clean Up: Removal of SSDT	Nokia	9	3										
R2-051590	Aligning EUDCH Stage-3 RRC to Stage-2	Samsung	12	3	1									
R2-051591	Agreed CR 0108 to 25.306 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other	Nokia	9	3	1									

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R2-051592	cases but when the UE supports SF512	Agreed CR 0109 to 25.306 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3	1	
R2-051593	cases but when the UE supports SF512	Agreed CR 2580 to 25.331 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3	1	
R2-051594	cases but when the UE supports SF512	Agreed CR 2581 to 25.331 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia	9	3	1	
R2-051595	cell	Agreed CR 0155 to 25.302 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	1	
R2-051596	cell	Agreed CR 0156 to 25.302 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	1	
R2-051597	cell	Agreed CR 2582 to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	1	
R2-051598	cell	Agreed CR 2583 to 25.331 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia	9	3	1	
R2-051599	Void						
R2-051600	Void						
R2-051601		Agreed CR 2584 to 25.331 [Rel-5] on Feature Clean Up: Removal of SSOT	Nokia	9	3	1	
R2-051602		Agreed CR 2585 to 25.331 [Rel-6] on Feature Clean Up: Removal of SSOT	Nokia	9	3	1	
R2-051603		Agreed CR 0032 to 25.922 [Rel-6 version, Rel-5 affected] on Feature Clean Up: Removal of SSOT	Nokia	9	3	1	
R2-051604			LG	9	3		YoungDae Lee
R2-051605		Agreed CR 0076 to 25.301 [Rel-5] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051606		Agreed CR 0077 to 25.301 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051607		Agreed CR 0157 to 25.302 [Rel-5] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051608		Agreed CR 0158 to 25.302 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051609		Agreed CR 0077 to 25.303 [Rel-5] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051610		Agreed CR 0078 to 25.303 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051611		Agreed CR 0110 to 25.306 [Rel-5] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051612		Agreed CR 0111 to 25.306 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051613		Agreed CR 0211 to 25.321 [Rel-5] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051614		Agreed CR 0212 to 25.321 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		YoungDae Lee
R2-051615		Agreed CR 2586 to 25.331 [Rel-6] on Feature Clean-up: Removal of DSC-H(FDD)	Electronics	9	3		Patrick Fischer

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R2-051615	Agreed CR 2587 to 25.331 [Rel-5] on Feature Clean-up: Removal of DSCH (FDD)	LG	9	3	Patrick Fischer
R2-051616	Agreed CR 0078 to 25.301 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051617	Agreed CR 0079 to 25.301 [Rel-6] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051618	Agreed CR 0159 to 25.302 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051619	Agreed CR 0160 to 25.302 [Rel-6] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051620	Agreed CR 0079 to 25.303 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051621	Agreed CR 0080 to 25.303 [Rel-6] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051622	Agreed CR 0112 to 25.306 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051623	Agreed CR 0113 to 25.306 [Rel-6] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051624	Agreed CR 0213 to 25.321 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051625	Agreed CR 0214 to 25.321 [Rel-6] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051627	Agreed CR 2588 to 25.331 [Rel-5] on Feature clean-up: removal of CPCH	Motorola	9	3	
R2-051628	Agreed CR 0114 to 25.306 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola	9	3	
R2-051629	Agreed CR 0115 to 25.306 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola	9	3	
R2-051630	Agreed CR 2590 to 25.331 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola	9	3	
R2-051631	Agreed CR 2591 to 25.331 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola	9	3	
R2-051632	Agreed CR 0161 to 25.302 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051633	Agreed CR 0162 to 25.302 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051634	Agreed CR 0116 to 25.306 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051635	Agreed CR 0117 to 25.306 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051636	Agreed CR 2592 to 25.331 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051637	Agreed CR 2593 to 25.331 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola	9	3	
R2-051638	Agreed CR 2594 to 25.331 [Rel-5] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens	9	3	
R2-051639	Agreed CR 2595 to 25.331 [Rel-6] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens	9	3	
R2-051640	Agreed CR 2596 to 25.331 [Rel-5] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens	9	3	
R2-051641	Agreed CR 2597 to 25.331 [Rel-6] on Feature Clean Up: Removal of Compressed mode by puncturing (R1-050512, to RAN2). LS on the Introduction of Streaming RABs over HSDPA	Siemens	9	3	
R2-051642	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	RAN WG1	13	1	
R2-051643		Qualcomm	12	3	2
R2-051644		NTTDoCoMo and Lucent	12	2	
R2-051645	Proposed Stage 2 on E-DCH and DCH				
R2-051646	Proposed CR 2598 to 25.331 [Rel-6] on Aligning EUDCH Stage-3 RRC to Stage-2 (exact title TBD)	Samsung	12	3	1
R2-051647	Agreed CR 2599 to 25.331 [Rel-6] on F-DPCH Radio Link Failure	Nokia	16	2	

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Item	Description	Working Group	Phase	Number	Priority	Other
R2-051647	Proposed CR 2600 to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup	Nokia	16	2		
R2-051648	Agreed CR 0215 to 25.321 [Rel-6] on HS-DSCH Provided Bit Rate measurement per Cell Portion	Nokia	16	2		
R2-051649	Uplink Signalling Architecture for 3.84 TDD Enhanced Uplink	IPW/ireless	18			Withdrawn
R2-051650		LG Electronics	15	3		
R2-051651	Email agreement CR 2602 to 25.331 [Rel-6] on CCCH message enhancements	LG Electronics	15	3		
R2-051652	Email agreement CR 0040 to 25.993 [Rel-6] on CCCH message enhancements	LG Electronics	15	3		
R2-051653	Agreed CR 2541rev1 to 25.331 [Rel-6] on Removal of the Start value	Electronics	15	3		
R2-051654	Agreed CR 2554rev2 to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH reporting on CCCH	Nortel, Samsung	15	3		
R2-051655	Agreed CR 2604 to 25.331 [Rel-6] on Quality measurement corrections	Ericsson	15	3		
R2-051656	Agreed CR 2605 Proposed CR to 25.331 [Rel-6] on Clean-up of R6 ASN.1 leftovers	Ericsson	15	3		
R2-051657	Answer on Issues on tuning TB sizes for VoIMS	Samsung	13	2		
R2-051658	State-flow Analysis of Scheduling Grant Procedures	Philips	12	2		Paul Bucknell
R2-051659	Step Sizes for E-DCH Scheduling Grants	Philips	12	2		Paul Bucknell
R2-051660	(R1-050551, Co RAN2), LS on correction of default parameters of UL:3.84kbps PS R.A.B	RAN WG1	9	1		NTT
R2-051661	(R1-050557, to RAN2), LS on E-DCH RRM measurements	RAN WG1	12	1		DoCoMo
R2-051662	(R1-050561, to RAN2), Reply LS (to R2-051113) on S-CCPCH power offset signalling for MBMS	RAN WG1	11	1		Ericsson
R2-051663	Proposed way forward on precedence rule for dual E-RNTIs	Ericsson, Panasonic, NEC, Siemens	12	2		Motorola
R2-051664	Handling of scheduling grants for MAC-e control information	Qualcomm	12	3	2	
R2-051665	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm	12	3	2	
R2-051666	Proposed CR to 25.331 [Rel-6] on addition of priority service flag to paging/RRC-establishment causes for WPS calls	Lucent Technologies, Siemens	15	2		Mirko Schacht
R2-051667	Proposed CR to 25.305 [Rel-7] on Addition of the U-TDOA location method to the UTRAN (R3-050764)	Cingular Wireless, T-Mobile USA, Andrew Corporation, TruePosition	17	2		
R2-051668	Proposed Stage 2 on E-DCH and DCH (R1-050563, to RAN2), Reply LS on Outer-loop TPC behaviour in 0 bit TB reception for Associated	NTTDoCoMo and Lucent Technologies	12	2		
R2-051669		NTT DoCoMo	9	1		

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DPC-H									
R2-051636	Agreed CR 0163 to 25.302 [Rel-6] on Correction of E-DCH Relative Grants		Nokia						
R2-051637	Proposed CR 0006 to 25.309 [Rel-6] on "new Stage 2" (title tbd)		Nortel						
R2-051638	Agreed CR 0118 to 25.306 [Rel-6] on EDCH L2 Buffer sizes		Motorola						
R2-051639	Proposed CR 2598rev1 to 25.331 [Rel-6] on Alignment of EUDCH RRC Stage-3 to Stage-2 status, including handling of 2 E-RNTIs		Samsung						
R2-051640	Feature clean-up summary								
R2-051641	Proposed CR to 25.331 [Rel-6] on erroneous implementation of CR 2501 in RRC specification v6.5.0		Nokia						
R2-051642	Proposed CR to 25.321 [Rel-6] on Additional text on EUL in MAC Specification		Nortel						
R2-051643	(R3-050771, to RAN2). Reply LS (to R2-050300) on Radio link failure criteria on Fractional DPCH		Qualcomm						
R2-051644	Proposed CR to 25.331 [Rel-5] on 0 bit TB reception for associated DPCH (exact title tbd)		RAN WG3						
R2-051645	Proposed CR to 25.331 [Rel-6] on 0 bit TB reception for associated DPCH (exact title tbd)		Ericsson						
R2-051646	Reply LS to RAN WG5 on verification of parameters for proposed HSDPA Streaming RABs in 34.108		Ericsson						
R2-051647	Email agreement CR 0280 to 25.322 [Rel-6] on RLC LI optimisation for VoIP		Cingular Wireless						
R2-051648	Email agreement CR 2608 to 25.331 [Rel-6] on RLC LI optimisation for Vol		Samsung						
R2-051649	Email agreement CR 0119 to 25.306 [Rel-6] on RLC LI optimisation for VoIP		Samsung						
R2-051650	Email agreement CR 2561rev1 to 25.331 [Rel-6] to include counting for cell_PCH/Cell_FACH and ptp bearer request		Siemens, Samsung						
R2-051651	LS to CT3 on security for PS Handover		Vodafone Group						
R2-051652	Agreed CR 2600rev1 to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup		Nokia						
R2-051653	Agreed CR 0105 to 25.305 [Rel-7] on Addition of the U-TDOA location method to the UTRAN (R3-050764)		Cingular Wireless, T-Mobile USA, Andrew Corporation, TruePosition						
R2-051654	Agreed CR 2610 to 25.331 [Rel-6] on erroneous implementation of CR 2501 in RRC specification v6.5.0		Nortel						
R2-051655	Proposed CR 2540r1 to 25.331 [Rel-6] on Timing Maintained Handover		Ericsson						
R2-051656	Agreed CR 2612 to 25.331 [Rel-6] on Network Sharing Corrections		Samsung						
R2-051657	Agreed CR 2606rev1 to 25.331 [Rel-5] on UE behaviour for DCI SIR target setting for Downlink power control		Ericsson						
R2-051658	Agreed CR 2607rev1 to 25.331 [Rel-6] on UE behaviour for DCH SIR target setting for Downlink power control		Ericsson						
R2-051659	Email agreement CR 2598rev2 to 25.331 [Rel-6] on Alignment of EUDCH RRC Stage-3 to Stage-2 status, including handling of 2 E-RNTIs		Ericsson, Samsung						
R2-051660	Revised CR 0006rev1 to 25.309 [Rel-6] on "new Stage 2" (title tbd)		Nortel						
R2-051661	Email agreement CR 0216 to 25.321 [Rel-6] on Additional text on EUL in MAC Specification		Qualcomm						
R2-051662	(R1-050569, to RAN2). LS on periodic transmission for EUL outer loop power control		RAN WG1						
R2-051663	(R4-050600, to RAN2). LS Reply LS on accuracy of TFC selection at RACH access for FDD		RAN WG4						

CR#	CR Title	11	2	4	11	2	4
R2-051657	Email agreement CR 2609rev1 to 25.331 [Rel-6] on signalling of MBMS SCCPCH Power Offset				Panasonic		
R2-051658					Panasonic, Motorola, Qualcomm, Ericsson, Alcatel, Siemens, Orange	11	2 4
R2-051659	Email agreement CR 2609rev2 to 25.331 [Rel-6] on signalling of MBMS SCCPCH Power Offset				Ericsson	13	3
R2-051700	Email agreement CR 2552rev2 to 25.331 [Rel-5] on ROHC target mode				Ericsson	13	3
R2-051701	Email agreement CR 2553rev2 to 25.331 [Rel-6] on ROHC target mode				Ericsson	13	3
R2-051702	Email agreement CR 0061rev2 to 25.323 [Rel-5] on ROHC target mode				Ericsson	13	3
R2-051703	Email agreement CR 0062rev2 to 25.323 [Rel-6] on ROHC target mode				Ericsson	13	3
R2-051704	Email agreement CR 2548rev2 to 25.331 [Rel-6] on Miscellaneous MBMS corrections (set II)				Samsung	10	3 1
R2-051705	25.862 version 1.5.0				Nokia	13	2
R2-051706	Proposed CR 0006rev2 to 25.309 [Rel-6] on "new Stage 2" (title tbd)				Nortel	12	2
R2-051707	Email agreement CR 2602rev1 to 25.331 [Rel-6] on CCH message enhancements				LG	15	3
	Agreed CR 0006rev3 to 25.309 [Rel-6] on "new Stage 2" (title tbd)				Nortel	12	2

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Annex C: Status table of Agreed CRs

C.1 Release 5 CRs and Rel-6 linked CRs

NOTE: In this subclause may be found CRs with common subject, starting at the Rel-5. The "shadow" CR can be "pure shadow" (cat. A), or not (cat. F).

C.1.1 Feature removal

R2-051659	Agreed CR 0108 to 25.306 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051662	Agreed CR 0109 to 25.306 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051663	Agreed CR 2580 to 25.331 [Rel-5] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia
R2-051664	Agreed CR 2581 to 25.331 [Rel-6] on Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	Nokia

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R2-051555	Agreed CR 0155 to 25.302 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051556	Agreed CR 0156 to 25.302 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051557	Agreed CR 2582 to 25.331 [Rel-5] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051558	Agreed CR 2583 to 25.331 [Rel-6] on Feature Clean Up: Removal of Observed time difference to GSM cell	Nokia
R2-051601	Agreed CR 2584 to 25.331 [Rel-5] on Feature Clean Up: Removal of SSdT	Nokia
R2-051602	Agreed CR 2585 to 25.331 [Rel-6] on Feature Clean Up: Removal of SSdT	Nokia
R2-051603	Agreed CR 0032 to 25.922 [Rel-6 version, Rel-5 affected] on Feature Clean Up: Removal of SSdT	Nokia
R2-051604	Agreed CR 0076 to 25.301 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051605	Agreed CR 0077 to 25.301 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051606	Agreed CR 0157 to 25.302 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051607	Agreed CR 0158 to 25.302 [Rel-6] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051608	Agreed CR 0077 to 25.303 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051609	Agreed CR 0078 to 25.303 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051610	Agreed CR 0110 to 25.306 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051611	Agreed CR 0111 to 25.306 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051612	Agreed CR 0211 to 25.321 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051613	Agreed CR 0212 to 25.321 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051614	Agreed CR 2586 to 25.331 [Rel-5] on Feature Clean-up: Removal of DSCH(FDD)	LG Electronics
R2-051614b	Agreed CR 2587 to 25.331 [Rel-6] on Feature Clean-up: Removal of DSCH (FDD)	LG Electronics
R2-051616	Agreed CR 0078 to 25.301 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051617	Agreed CR 0079 to 25.301 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051618	Agreed CR 0159 to 25.302 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051619	Agreed CR 0160 to 25.302 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051620	Agreed CR 0079 to 25.303 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051621	Agreed CR 0080 to 25.303 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051622	Agreed CR 0112 to 25.306 [Rel-5] on Feature clean-up removal of CPCH	Motorola
R2-051623	Agreed CR 0113 to 25.306 [Rel-6] on Feature clean-up removal of CPCH	Motorola
R2-051624	Agreed CR 0213 to 25.321 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051625	Agreed CR 0214 to 25.321 [Rel-6] on Feature clean-up: removal of CPCH	Motorola
R2-051626	Agreed CR 2588 to 25.331 [Rel-5] on Feature clean-up: removal of CPCH	Motorola
R2-051627	Agreed CR 2589 to 25.331 [Rel-6] on Feature clean-up: removal of CPCH	Motorola

R2-051626	Agreed CR 0114 to 25.306 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051629	Agreed CR 0115 to 25.306 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051630	Agreed CR 2590 to 25.331 [Rel-5] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051631	Agreed CR 2591 to 25.331 [Rel-6] on Feature clean-up: Removal of dedicated pilot as sole phase reference	Motorola
R2-051632	Agreed CR 0161 to 25.302 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051633	Agreed CR 0162 to 25.302 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051634	Agreed CR 0116 to 25.306 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051635	Agreed CR 0117 to 25.306 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051636	Agreed CR 2592 to 25.331 [Rel-5] on Feature clean-up: Removal of DRAC	Motorola
R2-051637	Agreed CR 2593 to 25.331 [Rel-6] on Feature clean-up: Removal of DRAC	Motorola
R2-051638	Agreed CR 2594 to 25.331 [Rel-5] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens
R2-051639	Agreed CR 2595 to 25.331 [Rel-6] on Feature Clean Up: Removal of TX diversity closed loop mode 2	Siemens
R2-051640	Agreed CR 2596 to 25.331 [Rel-5] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens
R2-051641	Agreed CR 2597 to 25.331 [Rel-6] on Feature Clean Up: Removal of Compressed mode by puncturing	Siemens
C.1.2.1	25.321	ASUSTeK ASUSTeK
C.1.2.2	25.322	ASUSTeK

R2-051540	Agreed CR 0276 to 25.322 [Rel-6] on Erroneous Sequence Number definition	ASUSTeK
C.1.2.3 25.323		
R2-051539		Ericsson
R2-051553	AgreedEmail-agreement CR 0061rev21 to 25.323 [Rel-5] on ROHC target mode for ROHC operation	Ericsson
R2-051702		
R2-051554	AgreedEmail-agreement CR 0062rev21 to 25.323 [Rel-6] on ROHC target mode for ROHC operation	
R2-051545	Agreed CR 0063 to 25.323 [Rel-5] on Performance testing of ROHC	Ericsson, Nortel
R2-051550	Agreed CR 0064 to 25.323 [Rel-6] on Performance testing of ROHC	Ericsson, Nortel
C.1.2.4 25.331		
R2-051656	AgreedEmail-agreement CR 2552rev24 to 25.331 [Rel-5] on Signalling of target mode for ROHC operation	Ericsson
R2-051551	operation ROHC target mode	
R2-051700	AgreedEmail-agreement CR 2553rev24 to 25.331 [Rel-6] on Signalling of target mode for ROHC operation	Ericsson
R2-051552	operation ROHC target mode	
R2-051527	Agreed CR 2567 to 25.331 [Rel-5] on Correction to handling of keys at inter-RAT handover	Motorola
R2-051535	Agreed CR 2568 to 25.331 [Rel-6] on Correction to handling of keys at inter-RAT handover	Motorola
R2-051543	Agreed CR 2571 to 25.331 [Rel-5] on Clarification of CTFC calculation for DCH	Ericsson
R2-051543	Agreed CR 2572 to 25.331 [Rel-6] on Clarification of CTFC calculation for DCH	Ericsson
R2-051544	Agreed CR 2573 to 25.331 [Rel-5] on Default RB identity in IE 'Signalling RB information to setup'	Motorola
R2-051545	Agreed CR 2574 to 25.331 [Rel-6] on Default RB identity in IE 'Signalling RB information to setup'	Motorola
R2-051546	Agreed CR 2575 to 25.331 [Rel-5] on Default configuration 13	Nokia
R2-051547	Agreed CR 2576 to 25.331 [Rel-6] on Default configuration 13	Nokia
R2-051690	Agreed CR 2606rev1 to 25.331 [Rel-5] on UE behaviour for DCH SIR target setting for Downlink power control	Ericsson
R2-051591	Agreed CR 2607rev1 to 25.331 [Rel-6] on UE behaviour for DCH SIR target setting for Downlink power control	Ericsson

C.1.2.5 25.993

R2-051531	Agreed CR 0039 to 25.993 [Rel-6 version, Rel-5 affected] on Inclusion of HSDPA RABs already defined in 34.108	Siemens, T-Mobile
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C.1.2.6 34.109

R2-051537	Agreed CR 0035 to 34.109 [Rel-5] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent
R2-051538	Agreed CR 0036 to 34.109 [Rel-6] on Clarification of loopback behaviour for uni-directional radio bearers	Agilent

C.2 Release 6 Change Requests

C.2.1 25.302

R2-051565	Agreed CR 0163 to 25.302 [Rel-6] on Correction of E-DCH Relative Grants	Nokia
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C.2.2 25.304

R2-051567	Agreed CR 0140 to 25.304 [Rel-6] on Addition of idle mode cell selection due to FLD	Alcatel Shanghai Bell Co
R2-051568	Agreed CR 0141 to 25.304 [Rel-6] on MBMS Frequency Layer Convergence	Vodafone Group

C.2.3 25.306

R2-051574	Agreed CR 0118 to 25.306 [Rel-6] on EDCH L2 Buffer sizes	Motorola
R2-051587	Agreed Email agreement CR 0119 to 25.306 [Rel-6] on RLC LI optimisation for VoIP	Samsung

C.2.4 25.309

R2-051707	Agreed CR 0006rev324 to 25.309 [Rel-6] on Introduction of resource management considerations and refinement of the scheduling mechanism: new Stage-2: (title tbd)	Nortel
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C.2.5 25.321

R2-051845	Agreed CR 0215 to 25.321 [Rel-6] on HS-DSCH Provided Bit Rate measurement per Cell Portion	Nokia
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R2-051654	AgreedEmail-agreement CR 0216 to 25.321 [Rel-6] on Additional text on EUL in MAC Specification	Qualcomm	Formatted Table
C.2.6 25.322			
R2-051654	Agreed CR 0277 to 25.322 [Rel-6] on Selecting a PDU to transmit a pol	ASUSTek	Formatted Table
R2-051679	Agreed CR 0278 to 25.322 [Rel-6] on Support of Out-of-sequence reception support in RLC-UM	Qualcomm	Formatted Table
R2-051671	Agreed CR 0279rev1 to 25.322 [Rel-6] on Clarification of the "Out of sequence SDU delivery"	Ericsson	Formatted Table
R2-051650	AgreedEmail-agreement CR 0280 to 25.322 [Rel-6] on RLC LI optimisation for VoIP	Samsung	Formatted Table
R2-051665	Agreed CR 0281 to 25.322 [Rel-6] on correction to Out Of Sequence Delivery	LG Electronics	Formatted Table
R2-051664	Agreed CR 0282 to 25.322 [Rel-6] on Clarification on operation when MCCH RLC entity is re-established and OSD_Window_Size is reconfigured/re-establishment is performed	Huawei	Formatted Table
C.2.7 25.323			
R2-051655	Agreed CR 0060rev1 to 25.323 [Rel-6] on Introduction for MBMS PDCP for MBMS	LG Electronics	Formatted: Normal
C.2.8 25.331			
R2-051666	Agreed CR 2539r3 to 25.331 [Rel-6] on Faster L1 DCH synchronization	Ericsson, Nokia	Formatted: Normal
R2-051652	Agreed CR 2541rev1 to 25.331 [Rel-6] on Removal of unnecessary the Start values	LG Electronics	Formatted: Normal
R2-051703	AgreedEmail-agreement CR 2548rev24 to 25.331 [Rel-6] on Miscellaneous MBMS corrections (set II)	Samsung	Formatted: Normal
R2-051663	Agreed CR 2554rev2 to 25.331 [Rel-6] on Introduction of inter-frequency measurement on RACH measurement reporting on CCCH	Nortel, Samsung	Formatted: Normal
R2-051663	AgreedEmail-agreement CR 2561rev1 to 25.331 [Rel-6] on Addition of MBMS counting for UEs in Cell_PCH and Cell_FACH states and addition of UE requested p-t-p bearer establishment to include counting for cell_PCH/Cell_FACH and ptp bearer request	Siemens, Samsung	Formatted: Font: (Default) Arial, 10 pt
R2-051651	Agreed CR 2579 to 25.331 [Rel-6] on support of out-of-sequence PDUsOut-of-sequence-reception-support in RLC-UM	Qualcomm	Formatted: Normal

R2-051632	Agreed Email-agreement CR 2598rev2 to 25.331 [Rel-6] on Alignment of EUDCH RRC Stage-3 to Stage-2 status, including handling of 2 E-RNTIs	Ericsson, Samsung	Formatted Table
R2-051634	Agreed CR 2599 to 25.331 [Rel-6] on F-DPCH-Radio Link Failure in F-DPCH (linked with e.g. a CR in RAN WG1).	Nokia	
R2-051635	Agreed CR 2600rev1 to 25.331 [Rel-6] on Setting up F-DPCH and E-DCH in RRC connection setup	Nokia	Formatted Table
R2-051636 R2-051639	Agreed Email-agreement CR 2602rev1 to 25.331 [Rel-6] on CCH message enhancements	LG Electronics	
R2-051634	Agreed CR 2604 to 25.331 [Rel-6] on Quality measurement corrections	Ericsson	
R2-051635	Agreed CR 2605 Proposed CR to 25.331 [Rel-6] on Clean-up of R6 ASN.1 leftovers	Ericsson	Formatted Table
R2-051631	Agreed Email-agreement CR 2608 to 25.331 [Rel-6] on RLC LI optimisation for Vol	Samsung	Formatted Table
R2-051636 R2-051637	Agreed Email-agreement CR 2609rev24 to 25.331 [Rel-6] on introduction of an S-CCPCH power offset difference in order to improve cell selection for soft and selective combining signalling of MBMS-SCCPCH Power-Offset	Panasonic	
R2-051637	Agreed CR 2610 to 25.331 [Rel-6] on erroneous implementation of CR 2501 in RRC specification v6.5.0	Nortel	Formatted Table
R2-051636	Agreed CR 2611 to 25.331 [Rel-6] on correction to M-network Sharing-Corrections	Samsung	
R2-051635	Agreed CR 2613 to 25.331 [Rel-6] on MBMS asn1 issues	Ericsson	Formatted Table
R2-051633	Agreed CR 2614 to 25.331 [Rel-6] on SCCPCH Timing offset information for FDD MBMS soft combining	Ericsson, Motorola	
R2-051632	Agreed CR 2615 to 25.331 [Rel-6] on MBMS corrections on signaling optimization	Samsung	Formatted Table
R2-051630	Agreed Email-agreement CR 2601rev1 to 25.331 [Rel-6] on Validity of PTM configurations in the introduction of activation time in MBMS (re)configurations (exact title tbd)	LG Electronics	Formatted Table
R2-051632	Agreed CR 2577 to 25.331 [Rel-6] on UE L3 requirements for HS-DSCH mobility	Ericsson	

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C.2.9 25.993

Agreed Email agreement CR 0040 to 25.993 [Rel-6] on CCCH message enhancements

LG Electronics

Formatted Table

C.3 Release 7 Change Requests

R3-051666

Agreed CR 0105 to 25.305 [Rel-7] on Addition of the U-TDOA location method to the UTRAN (R3-050764)

Cingular Wireless,
T-Mobile USA,
Andrew
Corporation,
TruePosition

Annex D: Table of Outgoing LSs to 3GPP groups

NUMBER	TITLE	RAN	R1	R3	R4	R5	S1	S2	S3	S4	CT	CT1	CT3	CT4	RAN5	GERAN	GERAN2
R2-051679	Reply LS on verification of parameters for proposed HSDPA Streaming RABs in 34.108		cc			to											
R2-051530	Reply LS on assumption on HSDPA Radio Bearer Settings in case of three Radio Bearer Multiplexing Options					to											
R2-051560	LS on MBMS cause values																
R2-051684	LS on <u>Security key set change</u> <i>on for PS Handover (exact title TBD)</i>							to				cc					cc
	<i>(email-agreement was agreed over the reflector)</i>																

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The outgoing Liaison Statements are also available at:
 tsg_ran/WG2_RL2/Outgoing_Liaisons/TSGR2_47

Annex E: Meeting schedule

Future WG2 and RAN plenary meetings: (underlined: changes/additions)

Year	Meeting	Dates	Location	Country	Host
2004	RAN#24	02-04 June	Seoul	Korea	TTA
	WG2#43	16-20 Aug	Prague	Czech Republic	European Friends of 3GPP
	RAN#25	08-10 Sep	Palm Springs	USA	NA Friends of 3GPP
	WG2#44	04-08 Oct	Sophia-Antipolis	France	ETSI
	WG2#45	15-19 Nov	Shin-Yokohama	Japan	Japanese Friends of 3GPP
2005	RAN#26	07-10 Dec	Athens	Greece	European Friends of 3GPP
	WG2#45bis	10-14 Jan	Sophia-Antipolis	France	ETSI
	WG2#46	14-18 Feb	Scottsdale	USA	
	RAN#27	09-11 Mar	Tokyo	Japan	
	WG2#46bis	04-08 April	Beijing	China	Huawei
	WG2#47	09-13 May	Athens	Greece	EF3
	RAN#28	01-03 June	Quebec	Canada	
	WG2#48	29 Aug - 02 Sep	London	UK	EF3
	RAN#29	21-23 Sep	Tallinn	Estonia	EF3
	WG2#48bis	10-14 Oct	Cannes	France	EF3
	WG2#49	07-11 Nov	(to)Asia	Korea	Samsung
	RAN#30	30 Nov - 02 Dec	EU	EU	