

Agenda item

Title: Draft Report of 3GPP TSG RAN WG1 #31 meeting
(Tokyo, Japan, February 18th - 21st, 2003)

Document for: Comments

Source: WG1 Secretary

Notes:

All timestamps in this document are in CET unless otherwise noted.

The local time (JST) is CET+8H (8 hours ahead), or GMT+9H.

Fact Summary

Meeting: 3GPP TSG RAN WG1 #31

Dates: February 18th through 21st, 2003 (JST)

Venue: Capitol Tokyu Hotel, Tokyo, Japan

Host: NTT DoCoMo, Inc.

Attendees: 94 delegates from 47 3GPP members (companies)

Tdocs registered: 239 (including some post-meeting artefacts)

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1. Opening of the meeting

19/02/2003 01:13 The chairman, Mr Antti Tsoskala (Nokia) called the meeting. Mr. Masafumi Usuda (NTT DoCoMo) welcomed the delegates on behalf of the host company, NTT DoCoMo, Inc.

Mr. Usuda also provided brief explanation of the meeting facility, lunch arrangement, social event as well as the supporting staffs from NTT DoCoMo.

A number of 3G mobile phones of NTT DoCoMo "Foma" were made available to the delegates for free of charge.

1.1 Call for IPR

The chairman reminded all the delegates of observing IPR policies of each 3GPP partner organization as provided in the agenda.

2. Approval of the agenda

The draft agenda in R1-030151 was missing items of the election for chairmanship and vice chairmanship as well as OFDM. The agenda was updated to include these items into R1-030292 and approved.

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
1	R1-030151	Draft Agenda for TSG RAN WG1 meeting No.31	TSG-RAN WG1 Chairman	R1-030292	To be revised to add "4 Election" and "16 OFDM"	#####
2	R1-030292	Agenda revised	TSG-RAN WG1 Chairman		Approved	#####
3	R1-030152	Draft minutes of RAN WG1#30 meeting	Secretary		Not available	

3. Identification of the incoming liaison statements and actions in the answering

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
4	R1-030158	(To) Response LS on applicability of the RAB configuration used for RLC testing (R2-023287)	TSG RAN WG2		Reconfirmed that RAN1 has already treated this over e-mail reflector and has approved the answer in R1-030199.	18/02/2003 01:25
5	R1-030199	Verification of the L1 parameters of the RAB configuration used for RLC testing (Ans LS to T1, CC: T, R2)	TSG RAN WG1 (Ericsson)		Reconfirmed that RAN1 has already approved the answer in R1-030199 to incoming LS R1-030158.	18/02/2003 01:25

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
6	R1-030233	(To) LS on Initial submission for updated UTRA FDD and TDD toward Rev. 4 of Rec. ITU-R M.1457	ITU-R Ad Hoc		Draft the answer in R1-030293 (discussion is in agenda 22)	18/02/2003 01:28
7	R1-030321	(To) Response LS on proposed RAB configuration used for RLC testing (T1-030232)	TSG-T WG1		Noted. (No action was requested)	19/02/2003 01:17
8	R1-030336	(To) LS on delivery of wrong data to upper layers for HSDPA (R2-030526)	TSG-RAN WG2		Answer LS in R1-0300369 (discussion is in agenda 22)	20/02/2003 08:14
9	R1-030337	(To) Response to LS from TSG RAN WG1 on Received Total Wide Band Power Measurement Definition (R4-030255)	TSG-RAN WG4		Noted. No action is required.	20/02/2003 08:35
10	R1-030353	(To) LS on S-CCPCH power setting in case of no data transmission (R3-030333)	TSG-RAAN WG3		Answer LS is in R1-030375 (discussion is in agenda 22)	21/02/2003 03:06

- **R1-030336** This matter was later discussed in agenda item 7.2 as well.
- **R1-030353** The following agreement was reached after discussion:
as to the releases that the equation described in this LS may apply to, RAN1 wants to leave it for RAN3 decision.
As to the answer to the second question, WG1 could not reach a consensus during the meeting and had to state that we will let RAN3 know when we will come to a conclusion.

4. Election

18/02/2003 08:22; The chairman, Mr. Antti Toskala (Nokia), introduced the candidates that have been received by this point in time.

For the chairmanship: Mr. Dirk Gerstenberger (Ericsson),

For the vice chairmanship: Mr. Masafumi Usuda (NTT DoCoMo) and Mr. Juho Lee (Samsung)

18/02/2003 08:23; The chairman made the last call for additional candidature for the chairmanship and no one responded. Then the chairman asked for any objection against electing the only candidate for the next term chairmanship and no one responded. Then the meeting, with applause, elected Mr. Dirk Gerstenberger (Ericsson) for the next term of office of WG1 chairman.

18/02/2003 08:24; The chairman made the last call for additional candidature for the vice-chairmanship and no one responded. Then the chairman asked for any objection against electing the two candidates for the two next term vice-chairmanship and no one responded. Then the meeting, with applause, elected Mr. Masafumi Usuda (NTT DoCoMo) and Mr. Juho Lee (Samsung) for the next term of offices of WG1 vice-chairman.

The current officials would turn all the responsibilities and businesses over to the new officials after completion of this meeting and reporting to the TSG RAN #19 meeting.

5. Release 1999 CR handling

5.1 New Inputs

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
11	R1-030236	CR 25.215-135(R99),-136(Rel-4),-133r1(Rel-5): Clarification of UTRAN SIR measurement definition	Ericsson	(R1-030077) R1-030299	To be revised to cover the case of NodeB Rx diversity.	18/02/2003 03:08
12	R1-030299	CR 25.215-135r1(R99),-136r1(Rel-4),-133r2(Rel-5): Clarification of UTRAN SIR measurement definition	Ericsson	(R1-030236) R1-030370	To be revised with additional clarification. The target date to reach an agreement is 03/03/03	21/02/2003 06:04
13	R1-030370	CR 25.215-135r2(R99): Clarification of UTRAN SIR measurement definition	Nortel Networks	(R1-030299) R1-030379	sent to the reflector on 24/02/2003 10:50 To be revised to take further comments account	
14	R1-030379	CR 25.215-135r3(R99): Correction of UTRAN SIR measurement definition	Nortel Networks, Ericsson	(R1-030370)	sent to the reflector on 26/02/2003 18:32 The target date of reaching an agreement is 03/03/03	
15	R1-030356	CR 25.214-316(R99), -317(Rel-4),-318(Rel-5): Correction on closed loop transmit diversity mode 1 verification algorithm	Nokia, Texas Instruments,	(R1-030164)	Approved	21/02/2003 06:47

- **R1-030236** was previously at the last meeting agreed in principle as **R1-030077** and presented for the final approval. But additional clarification was requested for the case that NoddeB use Rx diversity in addition to the case of multiple links exist. Then it is decided to revise the CR into **R1-030299**, of which the R99 CR was again appointed to be revised into **R1-030370** to be made available on the WG1 email reflector, aiming at coming to a conclusion by 3 March, 2003. Following the e-mail discussion, the CR for R99 was again revised into **R1-030379**. Despite the intensive discussion during the meeting and e-mail reflector, no agreement was found. Eventually these CRs were presented to the TSG RAN #19 as a companies proposal in RP-030017 and only the Rel-5 CR (133) was approved by the TSG RAN.
- **R1-030356** was created during this meeting to cover R99, Rel-4 and Rel-5, based on the equation correction proposed in **R1-030164**, which was originally intended only for Rel-5. After the off-line discussions among concerned companies using **R1-030265** and **R1030339** as a part of agenda item 7.2, the original CR was split into two batches of CRs, **R1-030355** and **R1-030356**. Only **R1-030356** is intended for R99 onward and listed in this section.

6. Release 4 CR handling

6.1. CRs agreed in principle in the TSG RAN WG1#30

There was no contribution for this agenda item and no discussion took place.

6.2 New inputs

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
16	R1-030193	CR25.224-118(REL-4) & -119(REL-5): Corrections to the LCR power control procedure and editorial corrections	Siemens	R1-030261	Superseded	
17	R1-030261	CR25.224-118r1(REL-4) & -119r1(REL-5): Corrections to the LCR power control procedure and editorial corrections	Siemens	(R1-030193) R1-030300, R1-030301	To be revised to separate CRs; corection of power control and text improvement.	18/02/2003 03:16
18	R1-030300	CR25.224-118r2(REL-4) & -119r2(REL-5): Corrections to the LCR power control procedure)	Siemens	(R1-030261) R1-030364	Document is withdrawn.(The proponent will resubmit new clarification CRs for the next meeting.)	21/02/2003 06:13
19	R1-030364	Revised CR correction that applies to R99-Rel5 (CR25.224-118r1(REL-4) & -119r1(REL-5): Corrections to the LCR power control procedure and editorial corrections)	Siemens	(R1-030300)	Not available	
20	R1-030301	CR25.224-118r2(REL-4) & -119r2(REL-5): Corrections to the LCR power control procedure)	Siemens	(R1-030261)	Approved	21/02/2003 06:14
21	R1-030194	CR25.225-066(REL-4) & -067(REL-5): Correction of timeslot interference measurements for 1.28 Mcps TDD	Siemens	R1-030262	Superseded	
22	R1-030262	CR25.225-066r1(REL-4) & -067r1(REL-5): Correction of timeslot interference measurements for 1.28 Mcps TDD	Siemens	(R1-030194)	Not agreed. Postponed to next meeting.	18/02/2003 03:24
23	R1-030157	CR 25.221-109r2(Rel5): Clarification of number of midamble shifts as fixed in all timeslots, for LCR	Siemens	(R1-030112) R1-030302	to be revised to correct cover sheet.	18/02/2003 03:32
24	R1-030302	CR 25.221-109r3(Rel5): Clarification of number of midamble shifts in different time slots	Siemens	(R1-030157) R1-030365	Approved	18/02/2003 03:37
25	R1-030365	CR 25.221-109r4(Rel5): Clarification of number of midamble shifts as fixed in all timeslots, for LCR	Siemens	(R1-030302)	- ?	

- (R1-030193) -> R1-030261 was found to carry two objectives on it, namely technical correction of power control and text improvement. Because of text clarifications were already difficult to justify for releases before Rel-5, it was suggested to revise and split this into two CR documents, R1-030300 and R1-030301.
- R1-030300 was intended for the clarification part of R1-03261, but withdrawn by the proponent. The proponent later requested another tdoc number for the revision of this tdoc. But it has not been made available.
- R1-030302 was approved to present at the TSG RAN. After having this approved, the proponent submitted further revision of the CR in R1-030365 without requesting to revisit the CR. By comparing the contents, there was no significant difference between the revisions 3 and 4 of the CR. The purpose of R1-030365 was not clear.

7. Release 5 CR handling

7.1 CRs agreed in principle in TSG RAN #30

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
26	R1-030182	CR25.224-117r1(Rel5) : Clarification of downlink closed loop power control procedures for 3.84 Mcps TDD	Nokia, Siemens AG	(R1-030053) R1-030296	to be revised to change quotation marks to regular ones.	18/02/2003 02:09
27	R1-030296	CR25.224-117r2(Rel5) : Clarification of downlink closed loop power control procedures for 3.84 Mcps TDD	Nokia, Siemens AG	(R1-030182)	Approved in advance before change of quotation marks	18/02/2003 02:09
28	R1-030251	CR 25.212-165(Rel5): Correction of CQI index to bit mapping (Resubmission of R1-030092)	Panasonic	(R1-030092) R1-030294	To be revised to correct spelling error	18/02/2003 02:13
29	R1-030294	CR 25.212-165r1(Rel5): Correction of CQI index to bit mapping	Panasonic	(R1-030251)	Approved in advance before correcting spelling error	18/02/2003 02:13
30	R1-030203	CR 25.224-109r1(Rel5): Corrections to TPC procedures during a DL transmission pause	IPWireless	(R1-030019)	Approved	18/02/2003 02:14
31	R1-030260	CR 25.221-111 (Rel-5):Correction to HS-SCCH minimum timing requirement for UTRA TDD (3.84 Mcps Option) (Resubmission of R1-030049)	InterDigital	(R1-030049)	Approved	18/02/2003 02:17
32	R1-030110	CR 25.221-110r1 (Rel-5):Correction to applicable HS-SICH burst types and timeslot formats	InterDigital	(R1-030048)	Approved	18/02/2003 02:17
33	R1-030111	CR 25.224-115r1 (Rel-5):Minimum timing requirement for CQI transmission on HS-SICH in UTRA TDD (3.84 Mcps Option)	InterDigital	(R1-030052) R1-030295	To be revised to correct cover sheet error	18/02/2003 02:21
34	R1-030255	CR 25.214-299r5 (Rel-5) CQI reporting with TxD	Samsung, Siemens, Motorola, Ericsson, Philips, Nokia	(R1-030113)	Approved	18/02/2003 02:21
35	R1-030295	CR 25.224-115r1 (Rel-5):Minimum timing requirement for CQI transmission on HS-SICH in UTRA TDD	InterDigital	(R1-030111)	Approved in advance before correcting cover sheet	18/02/2003 02:21
36	R1-030204	CR 25.222-108r1(Rel-5): HSDPA corrections (Revision of R1-030076)	IPWireless	(R1-030076)	Approved	18/02/2003 02:24
37	R1-030205	CR 25.215-133(Rel-5): Clarification of UTRAN SIR measurement definition (Resubmission of R1-030077)	Ericsson	(R1-030077)	Not presented. R1-030236 contains revision of this CR	

7.2 New inputs

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
38	R1-030206	CR 25.215-134r1(Rel-5): Non-HSDPA power measurement	Ericsson	(R1-030078)	Approved	18/02/2003 03:38
39	R1-030257	CR 25.224-114r1 (Rel-5):Corrections to link adaptation procedure for UTRA TDD (3.84 Mcps Option)on)	InterDigital	(R1-030051)	Approved	18/02/2003 03:41
40	R1-030250	CR25.212-166r1(Rel5): Correction of bit scrambling of HS-DSCH (Resubmission of R1-030109)	Panasonic	(R1-030109) R1-030303	To be revised	18/02/2003 03:47
76	R1-030303	CR25.212-166r2(Rel5): Correction of bit scrambling of HS-DSCH	Panasonic	(R1-030250) R1-030340	Superseded	
61	R1-030340	CR25.212-166r3(Rel5): Correction of bit scrambling of HS-DSCH	Panasonic	(R1-030303)	Approved	21/02/2003 06:23
41	R1-030258	CR 25.225-065r1(Rel-5): Addition of HS-SICH quality measurement for HCR-TDD	IPWireless, InterDigital	(R1-030075) R1-030304	To be revised to address applicability to LCR TDD	18/02/2003 03:51
62	R1-030304	CR 25.225-065r2(Rel-5): Addition of HS-SICH quality measurement for HCR-TDD	InterDigital, IPWireless, Siemens	(R1-030258)	Approved. Shall be packaged with RAN3 CR(s).	21/02/2003 06:24
42	R1-030253	CR 25.214-315(Rel-5): Clarification of SSDT and HSDPA	Panasonic	R1-030358	To be revised to se the way forward	18/02/2003 04:06
63	R1-030358	CR 25.214-315r1(Rel-5): Clarification of SSDT and HSDPA	Panasonic	(R1-030253) R1-030371	To be revised to change "activation" to "operation"	21/02/2003 06:28
64	R1-030371	CR 25.214-315r2(Rel-5): Clarification of SSDT and HSDPA	Panasonic	(R1-030358)	sent to the reflector on 24/02/2003 10:46 Approved in advance during the meeting	21/02/2003 06:28
43	R1-030164	CR 25.214-313(Rel-5): On closed loop transmit diversity mode 1 verification algorithm	Texas Instruments, Nokia	R1-030355, R1-030356	To be revised taking comments for this and R1-030265 into account	18/02/2003 04:20
44	R1-030265	Derivation of antenna verification algorithm for TxAA mode 1	Huawei		Noted. Discussed along with R1-030164	18/02/2003 04:34
65	R1-030339	Derivation of antenna verification algorithm for TxAA mode 1	Nokia		Noted. Discussion paper for R1-030164	21/02/2003 06:32
66	R1-030355	CR 25.214-313r1(Rel-5): TxAA Mode1 verification alogorithm clarification	Nokia	(R1-030164)	Approved	21/02/2003 06:37
45	R1-030219	CR25.212-167(Rel-5): Clarification on the Use of Single Transport Format Detection	Nokia		Rejected	18/02/2003 05:58
46	R1-030190	CR25.221-112(REL-5): Editorial corrections	Siemens	R1-030305	To be revised for better CR formatting	18/02/2003 06:07
67	R1-030305	CR25.221-112r1(REL-5): Editorial corrections	Siemens	(R1-030190) R1-030366	Revised to correct cover sheet	21/02/2003 06:53

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
68	R1-030366	CR25.221-112r2(REL-5): Editorial corrections	Siemens	(R1-030305)	Approved	21/02/2003 06:53
47	R1-030191	CR25.222-109(REL-5): Editorial corrections	Siemens	R1-030306	To be revised for better CR formatting	18/02/2003 06:12
69	R1-030306	CR25.222-109r1(REL-5): Editorial corrections	Siemens	(R1-030191) R1-030367	Revised to correct cover sheet	21/02/2003 06:55
70	R1-030367	CR25.222-109r2(REL-5): Editorial corrections	Siemens	(R1-030306) R1-030374	Approved in advance, and later found to contain a wrong CR.	21/02/2003 06:55
77	R1-030374	CR25.222-109r2(REL-5): Editorial corrections	Siemens	(R1-030367)	Sent to the reflector on 25/02/2003 10:58 With the correct CR approved in advance as 0367	
48	R1-030192	CR25.223-034(REL-5): Editorial corrections	Siemens	R1-030307	Revised for better CR formatting	18/02/2003 06:12
71	R1-030307	CR25.223-034r1(REL-5): Editorial corrections	Siemens	(R1-030192) R1-030368	Revised to correct cover sheet	21/02/2003 06:56
72	R1-030368	CR25.223-034r2(REL-5): Editorial corrections	Siemens	(R1-030307)	Approved	21/02/2003 06:56
49	R1-030252	CR 25.215-137(Rel-5): Clarification of Reference Rx Path	Panasonic	R1-030308	To be revised to improve wording	18/02/2003 06:14
73	R1-030308	CR 25.215-137(Rel-5): Clarification of Reference Rx Path	Panasonic	(R1-030252)	Not available. Postponed to the next meeting.	21/02/2003 06:57
74	R1-030207	CR 25.213-061(Rel-5): Removal of the tiny text in Figure 1 and minor corrections to 4.2.1	Ericsson	R1-030237	Superseded	
50	R1-030237	CR 25.213-061r1(Rel-5): Removal of the tiny text in Figure 1 and minor corrections to 4.2.1	Ericsson	(R1-030207)	Approved	18/02/2003 06:36
51	R1-030240	CR25.212-168(Rel-5): Correction of subscript for modulation scheme information	Philips		Approved	18/02/2003 06:40
52	R1-030270	CR25.221-113(Rel-5): HSDPA timing requirements	IPWireless		Approved	18/02/2003 06:41
53	R1-030245	CR25.214-314(Rel-5): Correction of TPC command combining in SHO	Philips		Continue to investigate for the next meeting.	18/02/2003 06:47
55	R1-030291	TX diversity on HS-SCCH	Nokia		Noted. To be addressed in the following meetings.	18/02/2003 08:13
56	R1-030271	HSDPA memory requirements (with draft LS)	IPWireless	R1-030350	Agreed. To be revised for final LS	20/02/2003 08:39
57	R1-030345	Field Coding of HS-SICH for 3.84Mcps TDD	IPWireless		Noted. To be checked by the next meeting.	20/02/2003 08:42
58	R1-030229	CR25.212-169(Rel-5): UE specific CRC for HS-DSCH	Nortel Networks		Noted in preparation of R1-030369	21/02/2003 05:39

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
54	R1-030298	UE Specific bit scrambling for HS-DSCH	Panasonic		Postponed (related to R1-030229)	18/02/2003 07:13
59	R1-030351	Discussion on HS-SCCH misdetection probability	Ericsson		Noted in preparation of R1-030369	21/02/2003 05:41
60	R1-030338	Generation of UE-specific CRC from reduced length H-RNTI including CR25.212-170(Rel-5)"Correction to UE identity coding" & CR25.222-110(Rel-5)"Correction to UE identity coding"	Siemens		Noted in preparation of R1-030369	21/02/2003 05:53
75	R1-030259	CR 25.225-068(Rel-5): Introduction of HS-SICH reception quality measurement in Node B for UTRA TDD	IPWireless, InterDigital		Withdrawn	

- **R1-030258**
 - ➔ **R1-030304** was approved with a condition of being reported to TSG RAN accompanied with corresponding RAN3 CRs. Eventually the contents, CR 25.225-065r2(Rel-5) was packaged in **RP-030080** along with RAN3 CRs and approved for implementation.
- **R1-030253**
 - ➔ **R1-030358**
 - ➔ **R1-0300371** was made available on 24/02/2003 through the e-mail reflector.
- **R1-030164**,
 - ➔ **R1-030355** was intended to clarify the description of TX diversity antenna verification in TS25.214 for Rel-5. A sister CRs were also created in **R1-030356** which is explained in agenda item 5.1. After the off-line discussions among concerned companies using **R1-030265** and **R1030339**, the original CR in **R1030164** was split into two batches of CRs, **R1-030355** and **R1-030356**
- **R1-030191**
 - ➔ **R1-030306**
 - ➔ **R1-030367** was once approved during the meeting. But, it was later found to contain a wrong document.
 - ➔ **R1-030374** was made available on 25/02/2003. This contained the correct document CR25.222-109r2. The CR revision and the tdoc title were not changed because the CR itself was kept unchanged.
- **R1-030245** was 25.214 Correction to Power Control Algorithm 2 in SHO. Several companies expressed their concerns about the impacts onto UE implementation and other aspects, and their desire to have some more time to investigate the issues. Therefore, it was agreed to come back to this proposal at the next meeting. It was also agreed that R99 and Rel-4 should be excluded from the scope of this proposal.
- **R1-030345** was felt by the delegates that they need some more time to analyse and understand the benefit of this proposal. Therefore it was decided to come back to this proposal at the next meeting.
- The following tdocs were discussed for drafting a response to **R1-030336**(R2-030526) into **R1-0300369** "LS response on delivery of wrong data to upper layers for HSDPA" (See agenda item 22)
 - ➔ **R1-030229** UE specific CRC for HS-DSCH

→ **R1-030351** Discussion on HS-SCCH misdetection probability

→ **R1-030338** Generation of UE-specific CRC from reduced length H-RNTI

8. Inputs to TR 25.993 and TS 34.108

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
78	R1-030163	Handling of CRs to TR25.993	Nokia		Noted. The chairman's ruling is to set a deadline of document submission in prior to the meeting.	18/02/2003 07:14
79	R1-030223	Radio bearer combinations for TR25.993 (PS streaming and CS speech RAB combinations)	Nokia		Agreed from WG1 point of view. No LS is needed. Just inform RAN2 colleagues in the companies.	18/02/2003 07:14
80	R1-030197	RB configuration for the support of wideband AMR speech telephony services	Vodafone		Approved from RAN1 point of view. LS is to be made to RAN2 in R1-030309	18/02/2003 07:27

- **R1-030163**; Due to the fact that TR25.993 and TS 34.108 belong to other TSG RAN WG's control, the handling procedure of CRs for these documents was recognised as an issue. After very active discussion, the chairman ruled the meeting as follows;
"Let aim to set a deadline of document submission before the meeting, say one week in prior. This should provide people whom it may concern with enough time for checking the documents. Thus we should be able to handle CRs properly without consuming much of meeting time."
- **R1-030223** was approved in RAN1 point of view. No LS is required according to the proponent. The proponent would inform RAN2 colleagues of the WG1 conclusion.
- **R1-030197** was a proposal of introducing RB configuration to support ARM-WB speech services to Rel-5 and the meeting approved it from WG1 point of view. An LS was made to RAN2 in R1-030309 and then revised later into R1-030362. See agenda item 22.

9. Day2 PM parallel sessions

9.1 Session A: TX diversity

This part of parallel sessions was held in the "Pink Pearl" Room, which is the same one as all other parts of RAN1 #31 took place. This session was chaired by Mr. Dirk Gerstenberger and his report was documented in tdoc R1-030334, from which the conclusions were copied to this section.

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
81	R1-030165	A-STTD performance	Nokia		Noted	19/02/2003 08:20
82	R1-030153	Comparison of CL-4-Tx-STTD with TxAA mode 1.	Huawei		Noted	19/02/2003 08:44

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
83	R1-030183	Evaluation methodology for transmit diversity with multiple antennas	LG Electronics		Noted. Discussion continues on link/system models, after the final result from the SCM-ad hoc became available.	19/02/2003 09:27
84	R1-030154	Text proposal of closed-loop STTD with multiple antennas.	Huawei, LGE	R1-030333	To be updated to remove reference to 2-A-STTD. Revised text will be included in the TR.	19/02/2003 09:05
85	R1-030333	Revised text proposal for CL-4	Huawei	(R1-030154)	Agreed to include the text in the TR	21/02/2003 08:49
86	R1-030334	Report from TX diversity ad hoc	Next chairman		Noted	
87	R1-030385	TR25.869 (v1.1.0) TxD	Editor (Samsung)		Sent to the reflector on 02/04/2003 11:16	

- **R1-030165**: Noted. Choice of weights and ideal vs. non-ideal simulation assumptions seems to lead to the differences seen in the simulations.
- **R1-030153**: Noted. Different views stated on the crossing points between STTD and CL model, also with respect to increased feedback delay.
- **R1-030183**: Noted. Continue discussion on link/system models, after the final result from the SCM-ad hoc is available.
- **R1-030154**: An updated version of the text proposal for 4-A-STTD is agreed to be included in the TR, after removing text and references to 2-A-STTD. Update in **R1-030333**.
R1-030333 was later reviewed and no comments/questions were raised. Therefore, this is considered to be agreed to put the text into the TR

9.2 Session B: Improvement of Inter-frequency and intersystem measurements for 1.28 Mcps TDD & Analysis of higher chip rates for UTRAN evolution (TDD)

This part of the parallel sessions took place in “Nara” room and was chaired by Mr. Antti Toskala. The report is in R1-030335 and the following notes in this section is copied from the report.

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
88	R1-030214	Further analysis of asymmetric pattern and pattern combination scheme impact on power control	Samsung		Text proposal not agreed at this stage as not considered covering generic enough case.	19/02/2003 08:20
89	R1-030215	Further analysis of asymmetric pattern and pattern combination scheme impact on uplink synchronisation	Samsung		Noted	19/02/2003 08:20
90	R1-030216	Further analysis of Signaling impact on the improvement of Inter-frequency and inter system measurement for 1.28Mcps TDD	Samsung		Noted	19/02/2003 08:20

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
91	R1-030217	Text proposal for conclusion part of TR25.888	Samsung		Postponed	19/02/2003 08:20
92	R1-030266	System simulation assumptions for TR25.895	IPWireless		Agreed to be in the TR. Possible changes from OFDM traffic models	19/02/2003 08:20
93	R1-030267	Backward compatibility for TR25.895	IPWireless		Agreed with some exceptions and additions.	20/02/2003 08:20
94	R1-030268	HSDPA link level results for TR25.895	IPWireless		Agreed to be in the TR.	21/02/2003 08:20
95	R1-030269	Draft TR25.895: Analysis of higher chip rates for UTRA TDD evolution	IPWireless	R1-030348	Agreed. Next version 0.2.1 will be during this meeting	22/02/2003 08:20
96	R1-030196	Correction of LCR TDD CQI index to bit mapping	Siemens		Not available	
97	R1-030335	Summary of the Parallel session on 1.28 Mcps TDD inter-system and interfrequency and higher chip rate TDD for UTRAN study item discussions and decisions in TSG RAN WG1 meeting No.31	Chairman		Addressed during the discussion.	
98	R1-030348	Draft TR25.895v 0.2.1: Analysis of higher chip rates for UTRA TDD evolution	Rapporteur (IPWireless)	(R1-030269)	Output from agenda 9.2	

Part 1) 1.28 Mcps TDD

- **R1-030214**; Decision: The issue is to be considered further including the consideration for the higher interference offset between time slots. 6 dB is the first assumption as higher value to be considered. Text proposal not agreed at this stage as not considered covering generic enough case.
- **R1-030215**; The question on the performance impact was raised as conclusions seem to indicate this has been studied (due to the increased delay from 1 sub frame to 3 sub frames & from the changing the users between different time slots).
Decision: The document was noted.
- **R1-030216**; clarified the need for synchronised activation for both Node B and UE.

Discussion issues with conflicting other features (DCA) and need for RNC to control the timing were raised. The issue is some what similar to the direction of FDD compressed mode though there are differences in taking care of the resources As existing user might need to be moved unless special resources are reserved for measurement purposes. UE capability statement was commented needing rewording. (Rel'6 UE needs to work in any case on earlier Releases network)

Decision: The document was: note

- **R1-030217**;

Decision: The document was postponed to wait for further progress on the previous topics discussed during the session.

Part 2) Higher chip rate TDD

- **R1-030266** It was clarified that HSDPA is using the 8 time slots in full. DPCH is in the other time slots. HARQ is done with chase combining only to simplify mapping between link and system level results. First

starting point is chase, IR may be considered later if determined to be necessary (in this case contribution to be raised giving justification).

Decision: The document was agreed to be included in the TR. Possible changes due OFDM discussions (traffic models) to be captured by the editor.

- **R1-030267**; It was commented that current allocations do not provide 10 MHz allocation. It was commented that the higher chip rate TDD is intended to new spectrum allocations and not to the current core band.

Decision: The document was agreed with the references to full/half duplex UEs is removed. Note to be added near figure AAA that “additional higher layer modifications would be needed to support the configuration”.+ minor editorial comments.

- **R1-030268**; It was confirmed that at least some link level results will be provided for 3.84 Mcps as well.

Decision: The document was agreed to be included in the TR.

- **R1-030269**; This was the version that had been on the reflector for part 3 weeks.

Decision: The document was agreed: (next version 0.2.1 expected to be provided during the meeting)

-> **R1-030348**

10. Release'6 issues left for email discussion from TSG RAN WG1#30 status check:

10.1 Enhanced uplink DCH:

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
99	R1-030150	Revised Draft TR on Feasibility Study for Enhanced Uplink for UTRA FDD (TR 25.896 V0.1.1)	Rapporteur (Nokia)	(R1-030148) R1-030311	Noted	18/02/2003 08:52
100	R1-030272	Enhanced Uplink DCH - Email Discussion Summary	Nokia		Noted	18/02/2003 08:52
101	R1-030311	TR25.896 V0.2.0 "Feasibility Study for Enhanced Uplink for UTRA FDD"	Rapporteur (Nokia)	(R1-030150) R1-030372	Addressed during the discussion.	
102	R1-030210	Updated text proposal for TR 25.896: Fast DCH Setup Mechanisms	Ericsson		Agreed to include in the TR	19/02/2003 01:22
103	R1-030181	Node B Controlled Scheduling by Fast TFCS Restriction Control	Nokia	R1-030324, R1-030341	To be revised to have overview section in front of text proposal.	19/02/2003 01:25
104	R1-030235	EUDTCH Scheduling Considerations and Text Proposal for TR 25.896	Siemens	R1-030325	To be revised for clarification and compact overview.	19/02/2003 01:58
114	R1-030325	EUDTCH Scheduling Considerations and Text Proposal for TR 25.896	Siemens	(R1-030235)	Agreed to take (only) the 1st paragraph in TR.	21/02/2003 07:00
105	R1-030222	Signalling Method for Fast TFCS Restriction Control	Nokia	R1-030326	To be revised for more general ized description.	19/02/2003 02:22

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
115	R1-030326	Signalling Method for Fast TFCS Restriction Control	Nokia	(R1-030222)	Agreed to put into TR with changing "indicators" to "parameters"	21/02/2003 07:18
106	R1-030176	HARQ overview	Nokia		Not actually presented, but noted along with R1-030208	19/02/2003 03:15
107	R1-030208	Hybrid ARQ text proposal for section 7 of TR 25.896	Ericsson	R1-030330	To be revised to take raised comments into account	19/02/2003 03:15
108	R1-030174	Enhanced uplink DCH physical layer structure - TTI vs HARQ structure	Nokia	R1-030331	To be revised to take comments into account	19/02/2003 03:51
109	R1-030175	Multiplexing Alternatives for uplink Enhancements	Nokia	R1-030332	To be revised to include inputs for the key points in 201 and 284	19/02/2003 04:07
110	R1-030201	Multiplexing Options for Enhanced Uplink Dedicated Channel	Motorola	R1-030332	Noted. Key points to be included in R1-030332	19/02/2003 05:44
111	R1-030284	Scheduled and Autonomous Modes for EUDCH	Lucent	R1-030332	Noted. Key points are to be included in R1-030332	19/02/2003 06:19
112	R1-030247	HARQ structure	Samsung		Agreed to put sentences in general section.	19/02/2003 06:57

- **R1-030272** Enhanced Uplink DCH - Email Discussion Summary; Noted

It was clarified that the latest TR version as of the start of this meeting is 0.1.1 in tdoc **R1-030150** "Revised Draft TR on Feasibility Study for Enhanced Uplink for UTRA FDD (TR 25.896 V0.1.1)"

The only difference between version 0.1.0 and 0.1.1 is one simulation parameter was changed during ranl #30 meeting in San Diego and not included in the version 0.1.0.

It was agreed that the outcome of the e-mail discussion will be submitted as the TR version 0.2.0 in tdoc **R1-030311**. Because of the amount of text proposals agreed through the e-mail discussion was too big to make it available before this meeting.

- **R1-030181** Node B Controlled Scheduling by Fast TFCS Restriction Control

Several opinions were expressed to prefer to have general descriptive section to introduce the techniques that are potentially used in front of the details. Taking these opinions into account, it was decided to split and revise this proposal into two parts, general description in **R1-030341** and an implementation proposal in **R1-030324**, which was later further revised into **R1-030349**. Revised tdocs are discussed in the agenda item 14.

- **R1-030235** EUDTCH Scheduling Considerations and Text Proposal for TR 25.896

The idea in this document seemed to be accepted but it was pointed that the text should be much shorter and compact. It was agreed to revise into **R1-030325** for clarification and more general and compact overview.

→ **R1-030325**

It was agreed to put only the first paragraph of the text in the TR

- **R1-030222** Signalling Method for Fast TFCS Restriction Control

Some of the points of discussion were whether higher layer signalling should be addressed at this stage and what those could be. After long discussion, the chairman ruled the meeting to focus on the L1 signaling only, and Iub/Iur/RRC signalling is FFS for the details in the TR.

This proposal was to be revised into **R1-030326**.

→ **R1-030326**

It was pointed that the term parameter was not appropriate in this context and agreed to replace it with indicators and to put the proposed text into the TR for review at the next meeting

HARQ

- All the discussions based on the revised tdocs are described in agenda item 14. Those are including,
R1-030208 → **R1-030330**
R1-030174 → **R1-030331**
R1-030175 → **R1-030332** along with the key points in R1-030201 and R1-030284
- R1-030247** Some sentences based on this discussion should be put into the general description section of the TR. The editor of the TR will take care of it.

10.2 OFDMA

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
116	R1-030228	Status of OFDM discussions before RAN1#31	rapporteur (Nortel)		Noted	18/02/2003 08:58
117	R1-030227	TR25.892 "Feasibility Study of OFDM for UTRAN enhancement" v0.0.3	rapporteur (Nortel)	R1-030312	Approved for version 0.1.0 in R1-030312	18/02/2003 09:01
118	R1-030169	Revised Text proposal for Sections 3 & 4 of TR 25.892	Nortel Networks	(R1-030114)	Agreed to pu into TR with some further changes discussed during this meeting.	19/02/2003 07:10
119	R1-030149	Temporal Signal Structure for OFDM	Siemens		Agreed to put into TR	19/02/2003 07:34
120	R1-030224	Update of OFDM SI simulation methodology	Nortel Networks	(R1-030115) R1-030328	Superseded	
121	R1-030328	Update of OFDM SI simulation methodology	Nortel Networks	(R1-030224)	Agreed to pu into TR with several exceptional too detailed sections. 	20/02/2003 01:17
122	R1-030312	TR25.892 V0.1.0 "Feasibility Study of OFDM for UTRAN enhancement"	rapporteur (Nortel)	(R1-030227) R1-030378	sent to the reflector on 25/02/2003 16:32	

R1-030328 Several companies expressed their concerns that this proposal is addressing too much details for this stage.

It was agreed to remove several parts of system-level simulation methodology (sections 2.5.2 through before section 3), to omit section 2.4, to note on the TPC command modelling in the DL as TBD, and to note on the arrival model in connection with traffic models TBD (Same as used in HSDPA to be used here as well). And also it was agreed not to include annexes in the TR version 0.1.1.

10.3 HSDPA enhancements

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
123	R1-030317	Text proposal scope TR 25.899 HSDPA enhancement	NTT DoCoMo		Agreed to put text into TR	20/02/2003 01:46
124	R1-030286	Text proposal on CQI Enhancement for TR on HSDPA Enhancements	Lucent	R1-030342	To be revised to remove some coclusive expressions.	20/02/2003 01:49
125	R1-030323	Dynamic Range Extension for the TDD CQI Report	Siemens	(R1-030026)	Agreed to put text into TR with condition of R1-030342 being agreed as well.-> Satisfied	20/02/2003 02:15
126	R1-030287	Text proposal on Multiple Simultaneous Transmissions to a UE for TR on HSDPA Enhancements	Lucent	R1-030343	To be revised	20/02/2003 03:01
127	R1-030288	Text Proposal on Code Reuse for TR on HSDPA Enhancements	Lucent	R1-030344	To be revised	20/02/2003 03:21
128	R1-030159	Text proposal for TR on HSDPA Enhancement - Fast Adaptive Emphasis	Telecom Modus, NEC	R1-030352	Revised to add a reference to current spec 25.214.	20/02/2003 03:42
129	R1-030289	Text Proposal on Fast Signalling for TR on HSDPA Enhancements	Lucent	R1-030346	To be revised	20/02/2003 04:05

- Although no specific questions were raised for this topic, the chairman asked the rapporteurs to prepare a summary report of the e-mail discussions.
- R1-030323** was agreed to Put this text proposal into TR if **R1-030342** is checked and agreed as well. This condition was later satisfied during the discussion of agenda item 15.1. Also stated that this could still apply to Rel-5 as well.
- R1-030287** → **R1-030343** in agenda 15.1
- R1-030288** → **R1-030344** in agenda 15.1
- R1-030159** Text proposal for TR on HSDPA Enhancement - Fast Adaptive Emphasis. It was noted that the proposal is suggesting to mandate a specific behaviour in all UEs, which. the current specification TS 25.214 already allows as covered in the informative annex. It was agreed to put proposed text into the TR with addition of reference to the current spec (25.214)
- R1-030289** → **R1-030346** in agenda 15.1

11. Improvement of Inter-frequency and inter-system measurements

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
130	R1-030160	Compressed mode code reuse	Nokia		An outgoing LS shall be drafted into R1-030319	18/02/2003 09:09
131	R1-030319	[DRAFT]Answer LS on Compressed Mode Code Reuse (To R3, Cc R2)	Nokia	(R1-030160) R1-030363	Revise to finalize the outgoing LS	21/02/2003 04:07

- **R1-030160** This is a discussion paper to get agreement inside the WG1 for preparation of an answer LS to WG3. It was agreed to prepare a draft LS into **R1-030319** , which was further revised into the final LS **R1-030363**, approved in **agenda item 22**.

12. Beamforming Enhancements

There was no discussion took place for this item because no contribution was received and no motion was made.

13. MBMS

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
132	R1-030195	MBMS for Low Chip Rate TDD	Siemens		Noted	20/02/2003 04:24
133	R1-030172	UE capabilities for MBMS	Siemens		Noted. The status of UE capability discussions will be reported to TSG RAN to address the relationship with RAN2 issues.	20/02/2003 05:47
134	R1-030297	UE Capability for MBMS	Panasonic		Noted.	20/02/2003 06:13
135	R1-030318	TTI length extension with/without STTD for MBMS	NTT DoCoMo		Noted.	20/02/2003 06:18
136	R1-030322	Evaluation of repetition scheme for MBMS point-to-multipoint service	Motorola		Noted	20/02/2003 06:35

Taking the discussions based on these tdocs into account, the chairman concluded this agenda item to be reported in TSG RAN as follows: (Refer to **RP-030130**)

UE capability & MBMS. The requirement for simultaneous reception of MBMS & paging was discussed in terms of UE capability impact. If S-CCPCH is used for MBMS content, then different alternatives were identified regarding UE capability impact. The requirement in stage 2 was felt to be unclear.

- A) UE receives two S-CCPCH in parallel
- B) UE receives one S-CCPCH and changes as function of the paging indicator to decode a frame (or a TTI) from another S-CCPCH to check if paging was transmitted (simultaneous PICH & S-CCPCH reception)
- C) UE receives one S-CCPCH and periodically stops S-CCPCH reception to read the paging indicator channel (only 1 channel at the time received)

Also the discussion was held on the TTI length on S-CCPCH with MBMS, the exact decision regarding which transport channel to use for MBMS was understood still as being open in TSG RAN WG2. Clear QoS requirements would also help the discussion.

- **R1-030172** UE capabilities for MBMS 20/02/2003 05:47

This tdoc was the main motivation of chairman's report to TSG RAN described above. Intensive discussion continued but the feeling shared was that it was not good idea to discuss too long and too details here at this time.

14. Enhanced Uplink DCH

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
137	R1-030209	E-DCH definition: Text Proposal for TR 25.896	Ericsson		Agreed to put into TR with addition of word "dedicated".	20/02/2003 06:54
138	R1-030213	Consideration of Autonomous Transmission for EUDCH	Samsung		Noted	20/02/2003 07:01
139	R1-030341	Description of Node B controlled scheduling by fast TFCS restriction control	Nokia	(R1-030181)	Agreed to put into TR	20/02/2003 07:23
140	R1-030324	A method for Node B controlled scheduling by fast TFCS restriction control	Nokia	(R1-030181) R1-030349	To be revised to include further comments	20/02/2003 07:29
141	R1-030349	A method for Node B controlled scheduling by fast TFCS restriction control	Nokia	(R1-030324)	Agreed to include in the TR	21/02/2003 07:11
142	R1-030330	Hybrid ARQ text proposal for section 7 of TR 25.896	Ericsson	(R1-030208)	Agreed to put int the TR	20/02/2003 08:59
143	R1-030331	Enhanced uplink DCH physical layer structure - TTI vs HARQ structure	Nokia	(R1-030174)	Agreed to put int the TR	20/02/2003 09:07
144	R1-030332	Multiplexing Alternatives for uplink Enhancements	Nokia	(R1-030175)	Agreed to put int the TR with addition of sentence on the power dependency for code multiplexing case in 8.3.2,	20/02/2003 09:10
145	R1-030273	Channel structure for consideration in the EUL SI	Qualcomm		Noted	20/02/2003 09:24
146	R1-030211	On the use of a short TTI for enhanced uplink DCH	Ericsson		Noted	20/02/2003 09:50
147	R1-030177	DL physical channel structure	Nokia		Revise to have a compact general description as the first step, whether multiplexing on existing channel or new channel. SHO needs to be kept in mind.	20/02/2003 10:06
113	R1-030274	Multiplexing alternatives for considerations in EUL SI	Qualcomm		Noted	20/02/2003 10:43
148	R1-030264	The Interference to Adjacent Cells due to Scheduled Transmissions	Panasonic		Noted. Details will be discussed at the next meeting.	21/02/2003 08:25
149	R1-030173	TR25.896 v0.1.2	Nokia		Not available	
150	R1-030178	UL physical channel structure	Nokia		Postponed	
151	R1-030179	Link level simulation results of HARQ	Nokia		Postponed	

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
152	R1-030180	Physical layer structure - relationship to existing transport channels	Nokia		Postponed	
153	R1-030200	UE Power Amplifier characterization using PAR	Motorola		Postponed	
154	R1-030218	Required Informations for node B scheduling	Samsung		Postponed	
155	R1-030246	E-DCH scheduling in SHO	Samsung		Postponed	
156	R1-030275	EUL DPCH rates & coding for consideration in the EUL SI	Qualcomm		postponed	
157	R1-030276	Indicative performance of possible control channels	Qualcomm		Not available	
158	R1-030277	On the peak to average issues in the UL	Qualcomm		postponed	
159	R1-030278	On hybrid ARQ mechanisms for EUL SI	Qualcomm		postponed	
160	R1-030283	Timing Considerations for EUDCH	Lucent		postponed	
161	R1-030285	Scheduled Mode and Associated Signalling	Lucent		postponed	
162	R1-030290	Protocol Architecture for EUDCH	Lucent		Not available	
163	R1-030310	Discussion of TCP performance improvements with different uplink enhancements	Ericsson		postponed	
164	R1-030313	Link Prediction Methodology for System Level Simulations	Lucent		postponed	
165	R1-030314	Text proposal	Lucent		Not available	
166	R1-030315	Text Proposal for TR25.896	Lucent		postponed	
167	R1-030316	Text Proposal for TR25.896	Lucent		postponed	
168	R1-030359	Text proposal for Enhanced uplink TR section 7.5	Motorola, Qualcomm, Lucent		-	
169	R1-030372	TR 25.896 v0.2.1	Nokia	(R1-030311)	Sent on 24/02/2003 17:33	
170	R1-030377	TR 25.896 v0.2.2	Nokia	(R1-030372) R1-030381	sent on 25/02/2003 16:25	
171	R1-030381	TR25.896 v0.3.0 "Uplink enhancements for dedicated transport channels"	Rapporteur (Nokia)	(R1-030377)	Sent to the reflector on 29/03/2003 10:25:00	

R1-030209 Put the proposed text into next TR with modification to add word “dedicated” to comprise “a new dedicated transport channel type”.

- **R1-030341** This is intended to give more general overview of the proposal in **R1-030181** and agreed to include the proposed text in the TR

- **R1-030177** This is a text proposal for TR 25.896 "Feasibility Study for Enhanced Uplink for UTRA FDD" and agreed to revise with a compact description to be added as first step: code multiplexing on a new code channel or multiplexing with existing channel + to mention that SHO needs to be kept in mind." Although it was also agreed that the revision was to be made available during this meeting, or if not, to put it on the reflector, no such revising tdoc has been identified as of this writing.

15. Radio Link Performance Enhancements

15.1 HSDPA enhancements

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
172	R1-030342	Text proposal on CQI Enhancement for TR on HSDPA Enhancements (Update)	Lucent	(R1-030286)	Agreed to put text into TR	21/02/2003 07:23
173	R1-030343	Text proposal on Multiple Simultaneous Transmissions to a UE for TR on HSDPA Enhancements (Update)	Lucent	(R1-030287)	Agreed to put text into TR with minor modification	21/02/2003 07:27
174	R1-030344	Text Proposal on Code Reuse for TR on HSDPA Enhancements (Update)	Lucent	(R1-030288)	Agreed to put text into TR	21/02/2003 07:30
175	R1-030346	Text Proposal on Fast Signalling for TR on HSDPA Enhancements (Update)	Lucent	(R1-030289)	Agreed to put text into TR	21/02/2003 07:58
176	R1-030352	Revised text proposal for TR on HSDPA Enhancement - Fast Adaptive Emphasis	Telecom Modus, NEC	(R1-030159)	Agreed to put text into TR	21/02/2003 08:02
177	R1-030171	HSDPA operation without an associated DPCH (TDD)	IPWireless		Postponed	
178	R1-030241	Text proposal on ACK/NACK detection for TR on HSDPA Enhancements	Philips		Postponed	
179	R1-030242	Further simulation results on CQI averaging	Philips		Postponed	
180	R1-030243	Text proposal on details of CQI averaging	Philips		Postponed	
181	R1-030244	Text proposal for evaluation of CQI averaging	Philips		Postponed	
182	R1-030254	Evaluation of CQI feedback schemes	Mitsubishi		Postponed	
183	R1-030279	Text proposal on Fast Signalling for TR on HSDPA Enhancements	Lucent		Not available	
184	R1-030280	Text proposal on CQI Enhancement for TR on HSDPA Enhancements	Lucent		Not available	
185	R1-030281	Text proposal on Code Reuse for TR on HSDPA Enhancements	Lucent		Not available	

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
186	R1-030282	Text proposal on Multiple Simultaneous Transmissions to a UE for TR on HSDPA Enhancements	Lucent		Not available	
187	R1-030327	Text proposal for TR on HSDPA Enhancements - Modified TPC operation	NEC, T-MODUS		postponed	
188	R1-030373	TR 25.899 v0.0.2 HSDPA Enhancement	Mitsubishi		sent on 25/02/2003 11:19	
189	R1-030380	TR 25.899 v0.0.3 on HSDPA Enhancements	Rapporteur (Mitsubishi)	(R1-030373) R1-030382	Sent on 18/03/2003 16:30:00	
190	R1-030382	TR 25.899 v0.1.0 on HSDPA Enhancements	Rapporteur (Mitsubishi)	(R1-030380)	Sent on 31/03/2003 13:48:00	

15.2 power control enhancements

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
191	R1-030161	Proposed structure of 25.898	Nokia	R1-030329	superseded	
192	R1-030329	Proposed structure of 25.898	Nokia, Siemens	(R1-030161)	Continue discussion the TR structure on the reflector and make decision at the next meeting	21/02/2003 08:04
193	R1-030162	Text proposal for Section 5.1 of TR 25.898	Nokia		Noted. Discussion is postponed to the next mtng.	21/02/2003 08:23

- **R1-030329** Proposed structure of 25.898 There were some misunderstandings regarding the roles and objectives of this study item, and also regarding procedural issues as to how to create the TR structure and how to bring issues to an agreement for the scope of the SI. . Because of this, no conclusion was reached during the meeting and it was decided to continue discussion on the reflector and decide the TR structure at the next meeting.

15.3 other issues

- No discussion took place for this agenda item due to no contribution was available and no motion was made.

16. OFDM

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
196	R1-030156	Modulation diversity for OFDM.	Huawei		Noted.	21/02/2003 00:00
197	R1-030249	Validation of System-Level HSDPA Results for CDMA & OFDM in a Flat Fading Channel	Nortel		Noted	21/02/2003 00:12

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
198	R1-030198	On the choice of reference OFDM configurations	Telia AB		Noted. Both sets as can be considered in the simulations	21/02/2003 00:24
199	R1-030231	OFDM Physical Layer Proposal for Reference Set 1	Siemens		Noted. Generalised set issues for proposal checking and development were identified.	21/02/2003 00:37
200	R1-030230	Remarks on Transmit Diversity in OFDM	Siemens		Noted	21/02/2003 01:06
201	R1-030226	Text proposal for Section 6.2 of TR 25.892	Nortel Networks, Huawei	R1-030263	superseded	
202	R1-030263	Text proposal for Section 6.2 of TR 25.892	Nortel Networks, Huawei	(R1-030226)	Noted	21/02/2003 01:12
203	R1-030232	Power Spectral Density of OFDM Reference Parameter Sets	Siemens		Noted	21/02/2003 01:26
204	R1-030248	Text proposal for section 6.1 of TR25.892 "Spectrum compatibility"	Nortel	R1-030357	Revise to reword how to meet the UMTS spectrum emission mask and remove the RRC filter curve	21/02/2003 01:31
205	R1-030202	Modelling of MMSE Equalizer in a System Simulator	Motorola		Noted	21/02/2003 01:55
206	R1-030166	Text Proposal for OFDM/IOTA Description	France Télécom R&D, Wavecom		Agreed to include the text into TR	21/02/2003 02:15
207	R1-030167	Text Proposal for OFDM/IOTA Physical Layer Parameters	France Télécom R&D, Wavecom		Noted	21/02/2003 02:21
208	R1-030168	Technical description of the OFDM/IOTA modulation	France Télécom R&D		Noted	21/02/2003 02:26
209	R1-030155	Text proposal for Section 5.2 of TR 25.892.	Huawei		Not available	
210	R1-030225	Text proposal for simulation methodology for TR25.892	Nortel Networks		Nota available	
211	R1-030357	Update of 0248 "Text proposal for section 6.1 of TR25.892 "Spectrum compatibility""	Nortel	(R1-030248)	Sent to the reflector on 04/03/03 15:35	
212	R1-030378	TR25.892 V0.1.1 "Feasibility Study of OFDM for UTRAN enhancement"	rapporteur (Nortel)	(R1-030312) R1-030383	Sent to the reflector on 18/03/2003 14:32:00	
213	R1-030383	TR25.892 version 0.1.2 "Feasibility Study of OFDM for UTRAN enhancement"	Nortel Networks	(R1-030378) R1-030384	Sent to the reflector on 28/03/2003 16:58:00	
214	R1-030384	TR25.892 version 0.2.0 "Feasibility Study of OFDM for UTRAN enhancement"	Nortel Networks	(R1-030383)	Sent to the reflector on 31/03/2003 14:40:00	

- **R1-030198** “On the choice of reference OFDM configurations” & **R1-030231** “OFDM Physical Layer Proposal for Reference Set 1”

Both sets can be considered in the simulations. No clear agreement was reached to choose either one although the majority indicated the preference on the set one.

It is not feasible to choose either one of the sets as the baseline of the study unless someone make comprehensive comparison with simulation. From different point of views, certain preference may be put on one of them, but one set cannot cover everything.

Set issues for checking/development: pilot grid, control channel structure (and how many users to be supported), DC component, should the description be more generic.

- **R1-030263:** A development issue was noted as to which Rel-5 (transport) channels are mapped onto OFDM downlink. As well as how to accommodate necessary control information. It is a matter of OFDM unit definition.
- **R1-030202:** This is one of the ways to simplify the simulation. A point to take note is that whatever approach is used the explanation needs to be given along with the results.

17. Enhancements to OTDOA positioning using advanced blanking methods

The delegate from Cambridge Positioning Systems (CPS), who was the contributor of the majority of the tdocs, could not make travel due to a crucial reason. Entire this agenda item discussions are postponed to the next meeting.

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
215	R1-030184	Text Proposal for update to TR 25.894, rev of R1-030008 & R1-030142	CPS	(R1-030142)	Posponed	
216	R1-030185	Software Blanking Simulation Parameters – text proposal to TR 25.894	CPS	(R1-030141)	Posponed	
217	R1-030186	SB Complexity: Text proposal for update to TR25.894	CPS		Posponed	
218	R1-030187	List of identified issues for SB and TR25.894	CPS		Not availoable, Posponed	
219	R1-030188	Proposal for SB working procedures	CPS		Not availoable, Posponed	
220	R1-030189	Description of Simulation Model for TR25.894	CPS		Not availoable, Posponed	
221	R1-030220	Software blanking complexity update	Nokia		Nota available	
222	R1-030221	Comments on simulations for software blanking (SB) evaluation	Nokia		Postponed	

18. FCS

No discussion took place for this agenda item.

19. MIMO:

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
223	R1-030347	Spatial Channel Model for Multiple-Input Multiple-Output Simulations. TR 25.996	Rapporteur (Lucent)		Addressed during the discussion.	21/02/2003 08:44
224	R1-030212	DSTTD with sub-group rate control	Mitsubishi		-	
225	R1-030238	Spatial Channel Model Text	Lucent		-	
226	R1-030239	MIMO channel metric for PARC system	Lucent		-	
227	R1-030256	MIMO candidate techniques for UTRA TDD	InterDigital, IPWireless		-	
228	R1-030354	Per unitary basis stream user and rate control (pu2rc)	Samsung, SNU		-	

The chairman and Mr. Howard Huang, the rapporteur, briefly explained the status of SCM adhoc group, a joint working team with 3GPP2. A SCM Phone conference would take place in the next week of this WG1 meeting and the TR in 3GPP format will be put on the reflector then submitted to the TSG RAN #19. Then further discussions would take place until when the ad-hoc group will be ceasing at the end of March.

- **R1-030347** is the SCM text which is in 3GPP format of TR 25.996. As of last conference call all the physical layer model was finalized and at the next conference call is to clean-up some very minor points. The clean TR will be presented to the TSG RAN in March.

20. TEI6

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
229	R1-030170	Further information on Downlink channel information reporting for RRM optimisation	Nortel Networks		Postponed	
230	R1-030234	CR 25.211-176r1 (Rel-6) Re-Introduction of S-CPICH in combination with CL TxD	Siemens	(R1-030043) R1-030320	Superseded	
231	R1-030320	CR 25.211-176r2 (Rel-6) Re-Introduction of S-CPICH in combination with CL TxD	Siemens	(R1-030234)	Postponed	

21. Postponed issue from the meeting (revised CRs, TRs approval etc.)

The following tdocs were actually handled as subject to this agenda item. The result of discussions in this agenda item were moved to the sections of each agenda item in this report, where these discussions should have taken place.

R1-030299, R1-030300, R1-030301, R1-030340, R1-030304, R1-030358, R1-030355, R1-030356, R1-030339, R1-030355, R1-030356, R1-030305, R1-030366, R1-030306, R1-030367, R1-030374, R1-030307, R1-030368, R1-030325, R1-030349, R1-030326, R1-030342, R1-030343, R1-030344, R1-030346, R1-030352, R1-030329, R1-030162

22. Outgoing LSs approval

#	NUMBER	TITLE	SOURCE	REVISED BY (From)	Conclusion/decision	Treated Date (CET)
232	R1-030350	LS on HSDPA memory requirements for 3.84Mcps TDD (To R2, Cc R3)	TSG-RAN WG1 (IPWireless)	(R1-030271)	Agreed in advance Sent on 20/02/2003 12:40:00	20/02/2003 08:39
233	R1-030293	Draft Response LS on Initial submission for updated UTRA FDD and TDD toward Rev. 4 of Rec. ITU-R M.1457	Lucent, Telecom Italia	R1-030361	To be revised to remove references to some SIs.	21/02/2003 03:37
234	R1-030309	Draft LS on RB configuration for the support of wideband AMR speech telephony services	Vodafone	R1-030362	To be updated to final LS	21/02/2003 03:56
235	R1-030369	LS response on delivery of wrong data to upper layers for HSDPA	TSG RAN WG1 (Ericsson)		Agreed and sent on 21/02/2003 10:06	21/02/2003 07:54
236	R1-030360	[DRAFT] Answer LS on S-CCPCH power setting in case of no data transmission	RAN1 ()	R1-030375	Agreed in advance for the final LS in 0375	21/02/2003 08:32
237	R1-030361	Draft Response LS on Initial submission for updated UTRA FDD and TDD toward Rev. 4 of Rec. ITU-R M.1457	Telecom Italia	(R1-030293) R1-030376	Agreed in advance for the final LS in R1-030376	21/02/2003 08:40
238	R1-030362	LS on RB configuration for the support of wideband AMR speech telephony services (To;R2)	TSG RAN WG1 (Vodafone)	(R1-030309)	Approved in advance Sent on 21/02/2003 10:06	
239	R1-030363	Answer LS on Compressed Mode Code Reuse (To R3, Cc R2)	TSG RAN WG1 (Nokia)	(R1-030319)	Approved in advance provided being OK'ed by people commented to 0319. Sent on 21/02/2003 10:06	
240	R1-030375	Answer LS on S-CCPCH power setting in case of no data transmission	TSG RAN WG1 (Alcatel)	(R1-030360)	Final LS, Agreed and sent on 21/02/2003 10:06	
241	R1-030376	Response LS on Initial submission for updated UTRA FDD and TDD toward Rev. 4 of Rec. ITU-R M.1457 (To: ITU-R Adhoc)	TSG RAN WG1 (Telecom Italia)	(R1-030361)	Final LS, Agreed and sent on 21/02/2003 10:06	

23. Closing

- It was reconfirmed that the latest revision of technical reports of the following areas are to be circulated through the e-mail reflector;
 - ➔ OFDM
 - ➔ Enhanced UL DCH
 - ➔ HSDPA
 - ➔ HCR TDD
- Mr. Dirk Gerstenberger, the next chairman, made a presentation to review Mr. Antti Toskala's achievement and to express the gratitude of whole WG1 towards the retiring chairman. He handed Mr. Toskala gifts of a Crown (made of cloth), a set of Japanese drum (taiko) and two (medium and large) statues of Daruma¹.
- Mr. Antti Toskala expressed his appreciation to all the delegate and made his farewell remark.

The 31st meeting of 3GPP TSG RAN WG1 ended at 17h00 (JST; = 9h00 CET) on 21 February, 2003.

¹ Daruma is, in Japanese tradition, a symbol of will and wish, named after an ancient Buddhist saint, Bodhi Dharma.

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Annex B: List of CRs presented to TSG RAN #19

The table below lists all the CRs presented at RAN#19, with their final status.

Spec	CR	R	Phase	Cat	TSG RAN document	WG document	TSG RAN status	Subject	CR to version	Resulting version	WG	Workitem
25.212	165	1	Rel-5	F	RP-030134	R1-030294	approved	Correction of CQI index to bit mapping	5.3.0	5.4.0	R1	HSDPA-Phys
25.212	166	3	Rel-5	F	RP-030134	R1-030340	approved	Correction of bit scrambling of HS-DSCH	5.3.0	5.4.0	R1	HSDPA-Phys
25.212	168	-	Rel-5	F	RP-030134	R1-030240	approved	Correction of subscript for modulation scheme information	5.3.0	5.4.0	R1	HSDPA-Phys
25.213	61	1	Rel-5	F	RP-030135	R1-030237	approved	Removal of the tiny text in Figure 1 and minor corrections to 4.2.1	5.2.0	5.3.0	R1	HSDPA-Phys
25.214	316	-	R99	F	RP-030132	R1-030356	approved	Correction on verification algorithm in Annex 1	3.11.0	3.12.0	R1	
25.214	317	-	Rel-4	A	RP-030132	R1-030356	approved	Correction on verification algorithm in Annex 1	4.5.0	4.6.0	R1	
25.214	299	5	Rel-5	F	RP-030136	R1-030255	approved	CQI reporting with TxD	5.3.0	5.4.0	R1	HSDPA-Phys
25.214	313	1	Rel-5	F	RP-030136	R1-030355	approved	On closed loop transmit diversity mode 1 verification algorithm	5.3.0	5.4.0	R1	TEI-5
25.214	315	2	Rel-5	F	RP-030136	R1-030371	approved	Clarification of SSDT and HSDPA	5.3.0	5.4.0	R1	HSDPA-Phys
25.214	318	-	Rel-5	A	RP-030132	R1-030356	approved	Correction on verification algorithm in Annex 1	5.3.0	5.4.0	R1	
25.215	135	4	R99	F	RP-030017		rejected	Correction of UTRAN SIR measurement definition	3.11.0		R1	-
25.215	136	2	Rel-4	A	RP-030017		rejected	Clarification of UTRAN SIR measurement definition	4.6.0		R1	-

Spec	CR	R	Phase	Cat	TSG RAN document	WG document	TSG RAN status	Subject	CR to version	Resulting version	WG	Workitem
25.215	133	3	Rel-5	A	RP-030017		approved	Correction of UTRAN SIR measurement definition	5.2.0		R1	-
25.215	134	1	Rel-5	F	RP-030081	R1-030206	approved	Non-HSDPA power measurement	5.2.0		R3	HSDPA-Phys
25.221	109	3	Rel-5	F	RP-030138	R1-030302	approved	Clarification of number of midamble shifts in different time slots	5.3.0	5.4.0	R1	TEI-5
25.221	110	1	Rel-5	F	RP-030138	R1-030110	approved	Correction to applicable HS-SICH burst types and timeslot formats	5.3.0	5.4.0	R1	HSDPA-Phys
25.221	111	-	Rel-5	F	RP-030138	R1-030260	approved	Correction to HS-SCCH minimum timing requirement for UTRA TDD (3.84 Mcps Option)	5.3.0	5.4.0	R1	HSDPA-Phys
25.221	112	3	Rel-5	F	RP-030138	(R1-030366)	approved	Miscellaneous Corrections	5.3.0	5.4.0	R1	TEI-5
25.221	113	-	Rel-5	F	RP-030138	R1-030270	approved	HSDPA timing requirements	5.3.0	5.4.0	R1	HSDPA-Phys
25.222	108	1	Rel-5	F	RP-030139	R1-030204	approved	HSDPA corrections	5.3.0	5.4.0	R1	HSDPA-Phys
25.222	109	3	Rel-5	F	RP-030139	(R1-030374)	approved	Miscellaneous Corrections	5.3.0	5.4.0	R1	TEI-5
25.223	34	3	Rel-5	F	RP-030140	(R1-030368)	approved	Miscellaneous Corrections	5.2.0	5.3.0	R1	TEI-5
25.224	118	2	Rel-4	F	RP-030133	R1-030301	approved	Corrections to the LCR power control procedure	4.7.0	4.8.0	R1	LCRTDDphys
25.224	109	1	Rel-5	F	RP-030141	R1-030203	approved	Corrections to TPC Procedures During a DL Transmission Pause	5.3.0	5.4.0	R1	TEI-5
25.224	114	1	Rel-5	F	RP-030141	R1-030257	approved	Corrections to link adaptation procedure for UTRA TDD (3.84 Mcps Option)	5.3.0	5.4.0	R1	HSDPA-Phys
25.224	115	2	Rel-5	F	RP-030141	R1-030295	approved	Minimum timing requirement for CQI transmission on HS-SICH in UTRA TDD	5.3.0	5.4.0	R1	HSDPA-Phys
25.224	117	2	Rel-5	F	RP-030141	R1-030296	approved	Clarification of downlink closed loop power control procedures for 3.84 Mcps TDD	5.3.0	5.4.0	R1	TEI-5

Spec	CR	R	Phase	Cat	TSG RAN document	WG document	TSG RAN status	Subject	CR to version	Resulting version	WG	Workitem
25.224	119	2	Rel-5	A	RP-030133	R1-030301	approved	Corrections to the LCR power control procedure	5.3.0	5.4.0	R1	LCRTDDphys
25.225	65	2	Rel-5	F	RP-030080	R1-030304	approved	Addition of HS-SICH quality measurement for UTRA TDD	5.3.0	5.4.0	R1	HSDPA-Phys