TSG-RAN Working Group 2 (Radio L2 and Radio L3) ***TSGR2#7(99)a01***
Malmö (Sweden) 20 - 24 September 1999

Agenda Item: 4.1

Source: **Temporary secretary/Secretary**

Title: Draft minutes of WG2 meeting #6
Sophia Antipolis 16 - 20 August 1999, v. 0.31

Document for: Approval~~Information~~

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1 Opening of the meeting

The chairman of the group, Denis Fauconnier, opened the meeting.

2 Approval of the agenda

The agenda Tdoc R2-99705 was approved.

3 Appointment of secretary

The chairman noted that a new permanent secretary has been assigned. His name is Hans van der Veen and he is affiliated with Ericsson in the Netherlands. Hans van der Veen introduced himself to WG2 at the end of the first meeting day. He will act as secretary for the RAN plenary and for RAN WG2. He will stay now two weeks at ETSI and then return for five weeks to Ericsson before starting in his new position in October. This means that he will not be available as secretary at WG2 meeting #7 in Malmö.

The present minutes were jointly written by Hans van der Veen and Wolfgang Granzow (Ericsson)

4 Approval of past activities

4.1 Approval of previous minutes

R2-99706/R2-99707 **(Draft) Minutes of WG2 meeting #5, Sophia Antipolis 5-9/7/1999 (temporary secretary)**

Secretarial notes included in the draft minutes were clarified:

Page 3, Report from RAN plenary, the RAN workplan was sent out by the chairman without WG2 document number. Page 3 discussion Td R2-99531, the Td R2-99646 is withdrawn, instead Td R2-99793 is submitted to this meeting. Page 6, no reply to R2-99542 was prepared yet, will possibly be done at this meeting.

Text proposed by Samsung to Td R2-99626 shall be changed into an editorial note, since it provides additional clarification but it was not discussed at the meeting.

Ericsson commented that the discussion section under Td R2-99647 belongs to R2-99525. This was agreed, furthermore some part of the text shall be put into an editorial note.

Approved with discussed changes. Final version will be issued as R2-99707.

4.2 Approval of permanent documents

R2-99708 3GPP TS 25.301: Radio Interface Protocol Architecture, v. 3.0.1 (Editor)

Version as approved by RAN with editorial corrections included and presented to WG2 meeting #5.

R2-99709 3GPP TS 25.302: Services provided by the Physical Layer, v. 3.0.0 (Editor)

The chairman commented that this version shall now be regarded as approved by RAN. Formal CRs are needed from now on.

R2-99710 3GPP TS 25.303: UE Functions and Interlayer Procedures in Connected Mode, v. 3.0.0 (Editor)

Same version as presented at the previous meeting.

Philips commented that there are on editorial inconsistencies regarding RACH and FACH substates.

Decision: Philips shall provide a formal CR on this issue.

R2-99711 3GPP TS 25.304: UE Procedures in Idle Mode, v. 1.3.2 (Editor)

Wrong version on ftp server (V131). Same changes according to agreements from last meeting were included. The document was approved.

R2-99712 3GPP TS 25.321: Specification of MAC Protocol, v.3.0.0 (Editor)

As presented to RAN meeting #4.

R2-99713 3GPP TS 25.322: Specification of RLC Protocol, v. 1.1.1 (Editor).

Same document as approved at WG2 meeting #5. Changes are detailed in the History.

R2-99714 3GPP TS 25.331 RRC Protocol Specification, v.1.2.0 (Editor)

The Editor presented changes.

Ericsson commented that the term quick repeat shall be avoided, instead it should be said that one or several messages are transmitted. A limit on how many times message is sent, needs to be defined.

Nokia asked who shall prepare a CR to TS 25.303 with some implied changes. ~~Decision:???~~Decision: Ericsson.

The document was approved.

R2-99715 3GPP TR 25.921: Guidelines and Principles for protocol description and error handling, v.1.1.0 (Editor)

The editor presented the updates.

The document was approved.

R2-99716 3GPP TR 25.922 V0.2.1: "Radio Resource Management Strategies", v.0.1.2 (Editor)

Section 12 on AMR control has been added. The document was approved.

R2-99717 3GPP TR 25.923 v1.1.0: Report on Location Services (LCS) (Editor)

Includes results of email discussion which need to be revisited

The previous version was approved.

The chairman briefly presented Tdoc R2-99717. It was decided that the delegates should read the document during the week. Nortel (Natalie Ting) shall collect comments and if needed update the document accordingly. It shall be approved at the end of the meeting.

Decision: Nortel stated that no comments were received. Nokia commented there was insufficient time and objected to some parts. All present change bars were accepted, ~~but these parts will be~~with the exception of some that shall marked as ffs. These latter parts have to be identified by the companies. See also discussion of R2-99724 in Section 5.

R2-99718 3GPP TR 25.924 v0.1.2: ODMA Technical Report (Editor)

Updated version including results of email discussion. Document will be revisited. Version presented at

the previous meeting is regarded as approved.

Conclusion: The rapporteur stated that no comments were received during the meeting and so the changes were accepted. The document was approved.

R2-99719/R2-99912 3GPP TR 25.925 V0.1.1: Radio Interface for Broadcast/Multicast Services (Editor)

R2-99719 includes also results of email discussion which were not yet approved by WG2. Version V0.1.0 from meeting #5 is regarded as approved. Comments on R2-99719 shall be given to the editor during the meeting.

R2-99719 was updated as R2-99912 based on the comments given to the editor. R2-99912 contains background material to CR 011 to 25.321, R2-99913. The document was presented and approved.

4.3 Change Requests from the previous meeting

The chairman made the general comment that CRs should always have official CR number even if they are not accepted. The secretary will provide a CR number but needs the following data to do so:

The WG2 Tdoc number that has been allocated (using the normal procedure);

The TS to which a CR is proposed;

The title of the proposed CR.

As long as a document is not WG2 approved its source should be the individual company. After WG2 approval, the individual company shall convert it into WG2 source and hand it over to the secretary, who will submit it to the RAN plenary. This means that the individual company does not need to fill out the RAN plenary Tdoc number on the form, but all other fields shall be filled out.

CRs to TS 25.301:

R2-99803 CR 004 to TS25.301 on Modification of C-RNTI definition (Nokia)

Approved

R2-99804 CR 005 to TS25.301 on Addition of Integrity protection function in RRC layer (Nokia)

Approved

R2-99805 CR 006 to TS25.301 on Clarification on the usage of CCCH vs. DCCH logical channels (Nokia)

Approved

R2-99763 CR 007 to TS25.301 on removal of Quick repeat from RLC functions (DoCoMo)

Approved

CRs to TS 25.303:

R2-99866 CR 001 to 25.303 on RRC Connection Establishment Procedure (Nokia)

Approved

R2-99867 CR 002 to 25.303 on RRC Connection Release Procedure (Nokia)

Small mistake on cover page (RRC Connection Release message is proposed to be sent in unacknowledged mode). Actual CR is correct and was approved.

R2-99868/R2-99890 CR 003 to 25.303 on Cell Update and URA Update Procedures (Nokia)

Change in naming of case A and case B, in case A ciphering shall be allowed but it is not a condition to do ciphering. Updated version with this change was presented as R2-99890 and approved.

R2-99869 CR 004 to 25.303 on removal of FFS in DSCH transmission example (Nokia)

Approved

R2-99870 CR 005 to 25.303 on incorporation of DSCH transmission with one TFCI (Nokia)

Approved

R2-99766/ R2-99925 CR 006 to 25.303 on Dynamic Radio Access Bearer Control (LGIC)

On traffic volume monitoring. Sequence chart was added. Final version is R2-99925.

Approved.

R2-99787 CR 007 to 25.303 on Transfer of system information (Ericsson)

Approved

CRs to 25.321:

R2-99788/R2-99948 CR 001 to 25.321 on modified MAC handling of PCH and FACH (Ericsson)

Approved. Final version is R2-99948, revision 1 of this CR.

R2-99789/R2-99891 CR 002 to 25.321 on modification of MAC primitives (Ericsson)

Small change on MAC Data indication primitive, discussed by email. LGIC asked why the "number of transmitted RLC PDUs" parameter which was added is needed. It was clarified that it is needed in the indication primitive and it is stating actually what the TFCI is indicating. The parameter was renamed to "Expected number of transmitted RLC PDUs". It was questioned whether PUs or PDUs is indicated. It was clarified that PDU is correct.

Approved with above small change. Final version was presented as R2-99891 and approved.

R2-99856/R2-99941 CR 003 to 25.321 on RACH/FACH MAC Header Channel Type and MAC Signalling in TDD for USCH/DSCH Identification and Operation (Siemens, Interdigital)

Ericsson commented that there is some impact with the CR drafted by InterDigital.

Resubmission as R2-99941 which was presented for approval.

Ericsson and the chairman state that figure 4.2.3.2 is not in line with earlier decisions. Another Ericsson comment on the previous version was not included. This was a mistake and will be corrected. The chairman proposes to revise the CR for next meeting to be in line with decisions of this meeting. SHCCH needs to be used in the document and the allocation box need to be removed and a bit needs to be added for future extensions.

Note: R2-99941 has been merged with R2-99934 (update of R2-99972 and R2-99973).

R2-99905/R2-99916 CR 013 to 25.321 on Traffic Volume Measurement Report Procedure (LGIC)

Measurement parameters on MAC. Ericsson commented that terminology should be used consistently, traffic volume measurement instead of dynamic RAB control. With this editorial change the CR was approved. Final version is R2-99916.

CRs to 25.331:

R2-99906 CR to 25.331 for Dynamic Radio Access Bearer Control (revised version) (LGIC)

Non-formal CR to 25.331, replaces R2-99767. Document was agreed. To be incorporated by the Editor of 25.331

4.4 Reports & liaisons from other groups

R2-99730 Reply to TSGR2#5(99)693 on RACH payload requirements (RAN WG1)

20-octet payload is now also confirmed for TDD. It was clarified that there is no impact from 3.84 chip rate. Document was noted.

R2-99731 Reply to LS on RACH prioritisation (RAN WG1)

Nortel commented that ASC also includes access slots. LGIC asked whether the scheme is also applicable to CPCH. The chairman stated it is only for the RACH. Document was noted.

R2-99728 Draft LS to RAN WG 3 and RAN WG 2 on Release '99, MSC issues with GSM 04.08 (CN1, Vodafone)

Document was noted. It was decided that it shall be treated at the joint meeting on Monday. The chairman will arrange with the chairman of RAN3 that it is submitted to that meeting.

R2-99729 LS on Timing Advance for TDD (RAN WG3)

Presented for better understanding of R2-99732. Document was noted.

Reply may be needed, if we define a mechanism during this week.

Decision: Siemens will draft a reply, R2-99963, based on agreements reached in this meeting. RAN WG1 shall be included in the reply (because of R2-99732).

R2-99732 Answer to LS from WG3 on Timing Advance for TDD (RAN WG1)

Document was noted. Will come back to it when respective contributions will be presented.

Decision: Reply covered by R2-99963 (see above), WG1 included as receiver.

R2-99733 LS on separate delivery of Transport Blocks within a Transport Block Set by MAC-d to L1 (RAN WG1)

Document was noted.

R2-99734 LS to TSG-R WG2 to inform about decisions made in TSG-R WG1 meeting #6 regarding the downlink Tx diversity (RAN WG1)

Document was noted.

R2-99735 LS on requesting views on the envisaged impact of DPCCH gating of UE when in Control Only State (RAN WG1)

Document was noted.

R2-99736 LS to WG2, WG3 and WG4 on power control issues (RAN WG1)

Alcatel and T-Modus stated that there are contributions submitted to this meeting. T-Modus commented that at the least the responsibility for e.g. outer loop control shall be clarified quickly. The chairman clarified that except for the inner closed loop control, responsibility is with WG2. Some parameters do not need to be standardized. Some work will need to be shared with WG4.

Document was noted. The chairman asked the delegates to study it carefully during this week.

Some **reply needed** at the end of the meeting.

Decision: Alcatel shall draft a reply as R2-99964.

R2-99737 LS on physical layer measurements (RAN WG1)

Expressing concern on some measurements on common pilot channel CPICH. Probably acceptable for WG2. Furthermore seeking guidance from WG4 on measurement accuracy. Document was noted.

R2-99738 Answer to LS to TS 25.302, 'Services provided by the physical layer' (RAN WG1)

Unclear what WG1 means with physical channel segmentation regarding Section 6.1. WG2 agreed that regarding Section 7.1.5 the case of different PDU sizes can be removed from TS 25.302 Ericsson shall draft a CR as R2-99892.

Regarding Section 7.6.1, WG1 proposes editorial changes of semi-static attributes. Puncturing limit interpreted as maximum puncturing ratio. Proposed changes were accepted by WG2. Nokia will draft CR as R2-99926.

Comment to Section 7.1.12 was noted. Regarding Section 7.3 compressed mode, comments on terminology. Agreement that TS 25.302 should be adapted to the proposed terminology. The term DPCH shall not be used. Section 2 comment on simultaneous support of AICH and FACH regarded as

worrying by WG2. The possibility was confirmed by WG1 earlier. This shall be highlighted in an LS to WG2. Will be drafted by Ericsson as R2-99893.

Regarding the comments to Section 9 it was decided that proposed changes will be captured in the CR to TS 25.302, to be drafted by Nortel (Natalie Ting) then checked again.

Proposed change for Section 10.3.3.5 accepted, editorial only. Regarding 10.3.3.6, it was concluded that higher layer selects the scrambling code, not the channelisation codes for DPCCH and DPDCH. Agreement on dedicated channels for RACH and CPCH further investigation needed.

Regarding 10.3.3.9, DoCoMo stated that a CR is available at this meeting.

Regarding the WG1-comments to Annex A of TS 25.302 it was not clear to WG2 why the maximum transport block size should be limited to 490 bits for convolutional codes (480 would actually be the correctly calculated figure). No need is seen in WG2 for the first multiplexing stage. Higher limit for convolutional codes was debated. Ericsson stated that maybe something between 500 and 1000 is needed. Ericsson commented that it is unclear whether Turbo coding could be applied in all cases where a larger block length is needed, e.g. on FACH. The chairman commented that there should not be such a limitation for FACH. It was proposed by the chairman to include some questions into the WG2 reply, on possibility of mix of turbo and convolutional coding when multiplexing on one transport channel is applied.

The scope of the draft LS R2-99893 shall be extended to represent an overall reply to R2-99738, addressing above-mentioned issues.

R2-99739 Answer to LS from RAN WG2 on USCH requirement for TDD (RAN WG1)

The chairman commented that the text for "Annex" is not entirely correct, especially for FDD. It was debated whether or not USCH shall be part of baseline capabilities. Sony commented that due to the 20-octet payload possibility for TDD it should not be part of baseline capabilities. The chairman commented that in TDD the likelihood for collisions on RACH is much higher than in FDD.

Ericsson proposed to wait until clearer view on USCH is achieved. The chairmen added that we at least shall wait until the end of this meeting.

Reply needed; will come back at end of the meeting.

Decision: Siemens will draft the reply in R2-99965.

R2-99740 Answer to LS on identification of multicall bearers (RAN WG3)

Clarifies to TSG CN1 that RANAP protocol is part of access stratum. Document was noted.

R2-99741 LS on ciphering mechanisms in case of multiple RABs (RAN WG3)

Document was noted. Reply should be given stating that each RAB should be handled (cipher/not cipher) independently, drafted as R2-99896 by Vodafone.

R2-99742 Response to LS on the MSC issues with GSM 04.08 (RAN WG3)

WG2 needs to study the LS from CN1 to WG3. Document was noted.

R2-99743 LS about overall delay budget within the Access Stratum, Results and requirements (RAN WG3)

Stating a maximum end-to-end delay of 134 ms (and 348 ms round trip), in contrast to the 40 ms end-to-end delay requirement for voice services. Document was noted. It was concluded that there is need to study it carefully and come back to it. The chairman commented that too high delay was one of the problems of cdma2000 already.

Decision: T-Mobil will draft a reply in R2-99966, which shall note that the value is a maximum, and ask for a typical value.

R2-99744 LS on NAS information in cipher mode command (RAN WG3)

Issue is on agenda at next week's workshop. It was therefore not presented. Document was noted.

R2-99745 MExE support of handover notifications (T2 MExE)

Nokia asked what instance shall be notified of handover events. The chairman clarified it is some type of servers on application layer, e.g. WEB servers that require MexE. Motorola commented it seems to

be a terminal internal issue. The chairman commented that the term "handover is about occur" is not correct since handover can occur anytime. Hopefully message transmission does not take more time than handover execution. Motorola will draft a reply as R2-99897. This document was presented and approved as document R2-99973.

R2-99833 Liaison Statement on Length of SFN (RAN WG1)

It was clarified that in WG2 there is agreement that there must be a fixed number of blocks on BCH per transmission time interval. It is not decided yet whether it is exactly one block only. Motorola commented that in a handover situation it might be good to read the SFN of neighboring cell independently from any other data on BCH. Ericsson commented that it is unclear why the present super frame period is defined as 72 frames in WG1. Motorola proposed to reply with an LS that shall state the potential solutions and pros and cons from WG2 perspective. It was agreed that Motorola shall draft an LS as R2-99898. This document was presented and approved as R2-99974.

R2-99835 Liaison Statement to TSG RAN WG2 on Service Capabilities (TSG T WG2)

It was clarified that the T2 meeting is on 6-9 September where input from RAN WG2 is needed. The chairman commented that for several services impact on radio interface protocol is unclear. It is impossible to have for each service individual RRC requirements. Question is how to define terminal capabilities. No conclusion yet, will come back to the document at the end of the meeting.

Decision: Motorola will draft an LS as R2-99967. It was also agreed to have further email discussion on this issue.

R2-99872 LS on capability to limit power output of UE (RAN WG4)

It was not clear to the chairman what is meant in the LS with "on service basis", probably "RRC connection basis". NTT DoCoMo commented that a contribution has been submitted to this meeting proposing definition of respective parameters. Document was noted.

R2-99748 MExE support of QoS negotiation (TSG T2 SWG1 MExE)

Document was noted.

R2-99873 Parameters to be stored in the USIM (TSG S2)

Requesting from WG2 parameters to be stored on USIM. So far the only parameters different from GSM was cipher key increment and some idle mode parameters. Nokia will draft the reply to TSG S2 (copy to TSG S3) as R2-99899.

R2-99874 LS answer to Overall Delay Budget within the Access Stratum Results and Requirements (TSG SA WG2)

Document was noted.

R2-99875 Clarification of RAB Sub Flows concept and associated definitions (TSG SA WG2)

Document was noted.

R2-99876 Answer to the liaison on the time constraints on the execution of cryptographic algorithms (TSG SA WG2)

May need to come back to it when paper copy with attachment is available. Document was noted.

R2-99877 Answer to LS on Interactions between Mobility Management and Radio Mobility (TSG SA WG2)

Some parts of the LS were unclear, e.g. what is meant with MM system information. It was concluded that the document should be studied carefully and questions raised at the planned meeting on Friday next week.

R2-99878 Liaison Statement concerning the Iu network layer services for the packet domain (TSG SA WG2)

Regarded not in scope of RAN WG2. Document was noted.

R2-99937 Response to LS from TSG RAN WG1 about 'Physical layer measurements' (RAN WG4)

Document is noted.

5 Results of e-mail discussions

R2-99720 Final report of the email discussion group - Enhanced RRC message and IE tabular descriptions (Rapporteur, Motorola)

No questions were raised. All proposed changed resulting from the discussion were accepted.

R2-99721 Status Report of E-mail discussion (on RRC parameters) (Rapporteur, NTT DoCoMo)

Summarizes the discussion status according to agreements, part agreements, and items remaining ffs. Some additional ffs parameters are not shown in the table. GBT commented that regarding the CPCH it is even for agreed parameters (set info, persistency) still open which parameters are mandatory or optional. It should therefore be regarded as only partly agreed. Philips commented that the second row of the table regarding FAUSCH usage should be regarded as "not agreed" since FAUSCH info is not included in the initial UE capability and initial access message. Ericsson clarified that 7-8 bits only would be left in the initial access message (RRC connection request) right now. The chairman summarised that initial UE capability should only contain what is needed for the Immediate Assign (RRC connection setup) message, some bits should be reserved for future extensions.

Samsung commented that there was no agreement on including the gated transmission information in the Cell Update Confirm message, and also commented on some editorial mistake. DoCoMo admitted a mistake.

The chairman clarified that the gated transmission ~~function~~ concept is not agreed yet in ~~this group~~RAN WG2 ~~and also still under discussion in WG1~~ and should therefore not have been incorporated in the RRC parameters. Normally the email discussion group should focus on concepts that are agreed before e.g. the respective parameters are specified.

Ericsson asked about frequency information, when it is applicable. It was noted that it is difficult to interpret the table correctly, since parameter type classification is conditioned to the type of message. It was concluded that frequency info and priority should be split into separate information elements.

CSELT commented that with reference to the use of priorities, there are issues outside the mandate of this group as well (when roaming, the selection of operators should not be based on the priorities).

Some impact on the LS to SA2 was noted. Conclusion on FAUSCH, item is left ffs.

Overall conclusion: FAUSCH ffs;~~,~~ CPCH set info changed to partly agreed;~~,~~ all gated transmission parameters remain ffs until a conclusion ~~on mechanism~~ is reached in WG2 about its support;~~,~~ Frequency info split. It was also decided to send a liaison to the relevant groups (R2-99900).

R2-99722 Status Report of MAC signalling ad hoc group (Rapporteur, Siemens)

Work has not started yet. The report was noted.

R2-99723/R2-99907 Results of the e-mail correspondence group on RRM: TS 25.922 V0.2.2 (Rapporteur, CSELT)

There was not much discussion on the reflector. No objection to the documents that were presented for discussion. The report was noted. It was decided that the related documents shall be presented at this meeting if time is available.

It was agreed that comments shall be received by the editor before the end of the meeting, after which the editor shall provide an updated version of the report as R2-99907. The editor/rapporteur stated that no comments were received during the meeting and presented the proposed changes. The changes are approved.

R2-99724 Report on e-mail discussion on LCS (Rapporteur, Nortel)

The chairman reported that agreement with SA1/SA2 has been achieved on the future split of LCS documentation. The WG2 report shall be reduced to UTRAN stage 2 parts (CN parts taken out) according to agreement with SA1/SA2. Stage 1 parts will be handled in SA1, stage 2 CN/non-access stratum parts in SA2. LCS measurements will be handled in RAN1, impact on terrestrial interfaces in RAN3. Proposed changes resulting from the e-mail discussion are provided in R2-99717.

Decision: See also discussion on R2-99717 in Section 4.2. It was agreed to open an e-mail discussion group on this topic and at the next WG2 meeting a specific day on LCS will be allocated. Experts from each company are invited to attend the meeting. Nokia proposed to keep WG3 informed, not only on LCS but also on cell broadcast. Nokia will draft an LS on cell broadcast to WG3 in R2-99968, Nortel will draft an LS on LCS to WG3 in R2-99969.

R2-99725 Report of E-mail discussion on RLC SDL (Rapporteur, NTT DoCoMo)

The discussion has not finished yet. The proposal is to replace the existing SDL diagrams in TS 25.322 by the one in this document as an informative part. The proposed SDL diagrams are still very preliminary and not in line with the textual descriptions. It was decided that the editor shall replace the present SDL diagrams, and shall include an editorial note in TS 25.322 to the effect that the diagrams are preliminary and not yet in line with the textual descriptions by the editor. It was also proposed to resume the e-mail discussion.

R2-99726 Report of e-mail discussion on SMSCB (Rapporteur, Mannesmann)

An update of TS 25.925 was presented for discussion early after the previous meeting but there were no discussions and no objections on the reflector. The proposed chapter 6 "SMS CB Service" of TR 25.925 is proposed to be incorporated into revision V0.2.0 (Tdoc R2-99719). Any comments shall be given to the editor during the meeting and the report shall be approved during the meeting, as R2-99912. See discussion on R2-99719/R2-99912 in Section 4.2.

R2-99727 Report of E-mail discussion on ODMA (Rapporteur, Vodafone)

Report was noted.

6 Contents of release 99

R2-99782 Overview of the TDD harmonisation and the key features of TD-SCDMA (CWTS WG2)

This document was not presented. The addressed issue was handled together with R2-99873 (see discussion below).

R2-99783 Some Influences on MAC Layer on Account of Four Key Features of TD-SCDMA (CWTS WG2)

Document was presented shortly on meeting day 5 by CWTS.
The chairman asked whether there are any specific impacts with respect to smart antenna. It was clarified that there are no new requirements. Also, no new requirement regarding uplink synchronisation. Regarding low chip rate mode it was clarified that it may have impact on the maximum MAC PDU size. "Baton handover" was discussed and clarified. It requires accurate knowledge about the UE position within the cell.
In the discussion it was commented that the presently assumed RACH payload of 20 bytes is probably not applicable. In this case a different access mechanism needs to be defined

Conclusion: Baton HO measurements need to be clarified, better understanding of L1 features affecting higher layers (impact on common channels). More details shall presented at the next meeting.

R2-99910 Upper layer aspect of DPCCH gated transmission (Samsung)

The chairman commented that there were some open questions from the contribution presented at previous meeting and asked how synchronization shall be performed considering delays on network interfaces. Samsung admitted that this issue has not been considered in the contribution. The chairman asked how the switching between gating and no gating is done. It was clarified that an explicit RRC procedure is needed. The chairman expressed concern about the impact of possible large delays. Nokia asked about TFCI handling when it is switched back since no RRC signalling is possible. Samsung replied RRC signalling is possible on gated DPDCH that is sent with accordingly increased power. The chairman proposed to postpone the decision whether or not to accept gated transmission until it is shown that the discussed problems with transition of transmission modes can be solved. It was agreed that Samsung would consider drafting an LS to WG1 on this issue.

The possibility of measurement reporting with gated transmission was discussed. Ericsson commented that when the procedure of switching back and forth, then independent of whether measurement reporting is periodic or event driven, it is very concerning since it is important that handover evaluation

and execution is performed fast. Nokia also supported this opinion. More details are needed about which measurements are necessary from the terminal to the network, and about the common channels (broadcast, paging, random access, ...). The chairman invites interested companies to come with more detail next meeting.

7 Proposed changes on 25.301

R2-99769/R2-99908 CR 008 to 25.301 on Introduction of Packet Data Convergence Protocol (PDCP) in the protocol architecture (Bosch)

Bosch proposed to incorporate a C-SAP between RRC and L3CE. Ericsson commented that Fig. 2 might be misleading in that L3CE may select which RLC entity to use. The reply was that this was not intentional. Ericsson asked why the entity should be allocated on L3 instead of L2. General discussion on SAP terminology, especially in user plane. The chairman stated that it needs to be reconsidered anyway. Potentially it can be discussed with SA2 at the meeting on next Friday.

The L3CE box shall be split into two, each connecting to only a single RLC entity. C-SAP shall be added. Header compression was agreed to be regarded as an L2 function. With these changes the CR was approved. R2-99908 was presented and approved.

R2-99800 CR 009 to 25.301 on Deletion of CPCH Annex (informative) (Golden Bridge Technology)

Subject changed to "Deletion of ..." With this change the CR was approved.

R2-99909 CR 010 to 25.301 on Correction of ciphering Specifications (Vodafone)

Category was changed to "editorial modification". Approved with this change.

R2-99838/R2-99913/R2-99977 CR 011 to 25.301 on Broadcast/Multicast (Mannesmann)

Sony asked what is meant with mandatory DRX. Mannesmann clarified that it should be mandatory when SMS-CB is supported by a UE. The chairman asked what is meant with control of DRX. It was asked why there is no RLC for CTCH. Mannesmann replied direct access to MAC would be needed. Motorola asked why a new layer is required. Mannesmann replied it is due to the C-plane and U-plane split of SMS-CB messages. The chairman proposed to introduce a new box BMC perhaps similar to PDCP. .Ericsson commented that possibly even such an entity may not be needed, all functions may be integrated on existing layers. It was decided to discuss the issue further in connection with TS 25.925 (update presented as R2-99912). A revised CR shall be presented later in the meeting as R2-99913. This document was presented. An editorial note will be added on first bullet RRC function stating whether this function is in RRC or BMC is ffs. The final version will be R2-99977 and was agreed. Contributions on ffs issue expected at the next meeting. The CR can be revised at the next meeting.

R2-99849/R2-99911 CR 012 to 25.301 on Description of the Timing Advance Mechanism for TDD (Siemens)

Proposes the addition of timing advance functionality to functions list of L1 and RRC in TS 25.301. It was agreed to add "for TDD only". Proposal was agreed. With this information, the formal CR shall be provided as R2-99911.

R2-99776/R2-99935 CR 013 to 25.301 on MAC Primitives addition and modification (InterDigital)

Regarding the proposed CR to TS 25.301: "NAS identities" instead of "TMSI+LAI" in first proposed sentence. TDD part of note removed. Other parts of the note shall be considered later. CR to TS 25.301 is R2-99935.

R2-99832/R2-99949 CR 014 to 25.301 on Impact of two cipher key solution on multiplexing at RLC and MAC level (Nortel)

Following change was agreed: RRC maps a given Radio Bearer to the given domain in order to derive the correct key to utilise for each Radio Bearer. The proposed text in bullet lines shall be replaced with the following: The RLC and MAC layers receive the Radio Bearer ID and Kc they should use from RRC.
Final version is R2-99949, as CR 014 to TS 25.301.

R2-99960/R2-99970 CR 015 to 25.301 on Support of different access service classes (Motorola, Sony)

CR to TS25.301 on refined ASC function on MAC, connected to discussion of R2-99848.

Nortel proposed that an LS be sent to WG1 asking on their opinion. Supported by Nokia.

CR 015 was accepted with changes: "indicates to the physical layer the RACH partition associated to a given…" and "… for FDD, TS and channelisation code for TDD". LS drafted as R2-99971 by Nortel.

No need to present CR again, final version is R2-99970.

R2-99954/R2-99978 CR 016 to TS 25.301 on TDD: Support of USCH / DSCH Signalling (Siemens)

See also R2-99858 for explanation. Two MAC functions to be removed, include "TDD only" at some places. The proposed concept was agreed on principle. The change request is accepted with the note that it may have an impact on other parts of the specification that needs to be changed. Necessary corrections shall be proposed at the next meeting. The final version will be document R2-99978.

8 Proposed changes on 25.302

R2-99892 CR 001 to 25.302 on Making all transport blocks equally sized within a transport block set (Ericsson)

Approved.

R2-99770/R2-99917 CR 002 to 25.302 on UE Simultaneous Physical Channel Combinations for TDD (InterDigital)

“Shared channels are FFS” shall be removed from the table in Section 8.3. Ericsson commented that the dimension of time slot multiplicity is not very clear in the presentation of channel combinations. It was agreed that the table requires further work. However, it is accepted for now and can be changed with a later CR. The CR was approved with the above change. Final version is R2-99917. Another CR to TS 25.321 to allow for multiple FACH for TDD (removal of "FDD only") will be issued by InterDigital as R2-99918.

Note: After analysis of R2-99918, a new version of R2-99788 (CR 001, Ericsson) was created as R2-99948, which includes R2-99918. R2-99918 was therefore not presented.

R2-99798/R2-99919 CR 003 to 25.302 on CPCH Primitives, Services Provided by the Physical Layer (Golden Bridge Technology)

The chairman commented that it was agreed not to deal with physical channel numbers in the primitives. Discussion on the definition of a physical channel for RACH and CPCH and relationship between transport and physical channel number. T-Modus expressed concern that the assumed one-to-one mapping between a CPCH transport and a physical channel will lead to a very large number of parameters. Ericsson asked why differences between CPCH and RACH regarding backoff delay are needed. It was replied that this is not intentional. GBT agreed to remove the initial delay parameter. It was agreed to mark the list of events as valid for CPCH only. Document was approved with changes (online editing by the chairman). Final version shall be issued by GBT as R2-99919.

R2-99850/R2-99920 CR 004 to 25.302 on Timing Advance (Siemens)

It was clarified that the TD parameter is only required for common channels, not for DCH, therefore it is optional. Timing advance shall be marked as TDD only. With this change the CR was approved and Siemens shall produce a final version in R2-99920.

R2-99855/(R2-99857)/R2-99921 CR 005 to 25.302 on Measurements for TDD provided by the physical layer (Siemens)

One small editorial change related to change of measurement naming in 9.1.1 for FDD was agreed offline. Additional information is mentioned in R2-99857, which is for information and which was noted. The CR was approved and Siemens shall produce a final version in R2-99921

R2-99854/R2-99922 CR 006 to 25.302 on change to PCH structure for TDD (Siemens)

Approved. Final version is R2-99922.

R2-99865/R2-99923 CR 007 to 25.302 on physical channels in TDD (Siemens)

Panasonic asked whether impact of scattered transmission of individual resource units on power control had been studied in WG1. Siemens replied that power control for TDD is still under investigation in WG1. Approved. Final version is R2-99923.

R2-99926/R2-99945/R2-99972 CR 008 to 25.302 on Attributes of the semi-static part and coding terminology (Nokia)

It remained unclear how to interpret the LS from WG1 on the rate-matching attribute.
Revision in R2-99945. R2-99945 was approved with editorial change: Instead of rate matching ratio and attribute consistently the term "rate matching parameter" shall be used. The actual relation of this parameter to the terminology used in WG1 was still unclear. It can hopefully be clarified at the next meeting. Final version is R2-99972.

R2-99904 CR 009 to 25.302 on Editorial changes following LS received from WG1 (Nortel)

Approved. No new document number allocated, R2-99904 will be revised as final version.

9 Proposed changes on 25.303

R2-99749 Clarification of control only substate (Samsung)

The document proposes a refinement of the UE state model. After presentation of the contribution, the transitions between control only and user data active substates were discussed extensively.

The chairman summarised the discussion. Answers to the questions in this document were given: 1) There is no relation between logical and physical channel based substates; 2) The resulting state after RRC connection setup depends on whether a DCH is allocated or not; 3) The control only substate should not be mandatory for the network by allowing setting of the respective timer to zero. Ericsson commented that generally WG2 should try to make the state model simpler by using fewer states instead of introducing new ones and that this can be accomplished by specifying this kind of behaviour as part of the procedures. The chairman proposed that the editor of TS 25.303 shall have offline discussions with Samsung in order to achieve agreement which changes are needed to make the present model easier to understand. CCL/ITRI commented that the network should have full control on the UE states; there should not be misalignment. The chairman commented that some misalignment would always be possible due to message delays or lost messages. It was agreed that the procedure for blocking DTCH in the UE needs to be described in a clear way in TS 25.303 and TS 25.331.

R2-99829 Procedure to change ciphering key of the signalling connection in Two-key solution (Nortel)

Proposes a new "Ciphering Command" message to be introduced in TS 25.331. T-Modus commented that they have a proposal that also addresses the synchronization of ciphering chain. Ericsson asked whether same or different procedure for control of integrity protection shall be used. Nortel replied this was not considered, possibly same procedure can be used. The chairman commented that the proposed handshake scheme is applied in GSM and proven to be bulletproof. Decision deferred till after discussion of R2-99845.

R2-99845/R2-99894 Ciphering procedure on the radio interface (T-Modus)

It was clarified that the proposed RLC solution requires 2 bits in every PDU. This is a major disadvantage compared to the RRC solution. Otherwise the proposal is very close to the Nortel proposal.

Conclusion: It was decided that a CR to 25.331 will be prepared as R2-99924 by Nortel based on a handshake method and presented later in the meeting at Agenda Item 14.1. R2-99845 was planned to be reissued as R2-99894 with editorial changes.

R2-99880/R2-99932 CR 008 to 25.303 on UE controlled AMR mode adaptation (Nokia)

Proposal includes also a CR to TS 25.321. CCL/ITRI asked whether any comparison with the GSM C/I reporting method was made. It was clarified that UE controlled mode adaptation on uplink is included already in GSM in addition to the network controlled mode.
Regarding the text proposal, it was clarified that the network shall control which mode is applicable. Following change in proposed text to TS 25.303 was agreed: "shall be allowed" replaced with "can be allowed by RRC in UTRAN".

Regarding the CR to TS 25.321 the chairman commented that the change might not be needed since it is already covered. Nokia agreed to withdraw the CR to 25.321.
Final CR to 25.303 is R2-99932.

R2-99830/R2-99933 CR 009 to 25.303 on Clarification in S25.303 of model for RACH procedures (Nortel)

Proposes to introduce a sequence chart as in TS 25.303 on RACH procedure. Telelogic commented that dashed line should be solid since dashed means instantiation in standard SDL sequence charts, not optional. ASC was added into the figure. With these changes the CR was agreed. Final version is R2-99933.

R2-99915/R2-99950 CR 010 to 25.303 on UE states in TDD (Siemens)

It was clarified that both cell update and handover command is supported in RACH/FACH substate. The mechanism was agreed. How to include the proposed text into TS 25.303 still needs to be agreed upon. R2-99950 was assigned for the actual CR to be drafted by Siemens, CR 010, discussion and approval by email after the meeting.

R2-99871/R2-99953 CR 011 to 25.303 on Editorial changes to some state definitions involving FAUSCH (Philips)

Editorial correction. Proposal was agreed, final version is R2-99953.

R2-99956/99980 CR 012 to 25.303 on Data transfer on Shared Channels in TDD (Siemens)

CR resulting from proposal R2-99858. It was clarified that the RRC connection is setup first.
Agreed changes: Signals CPhy_RL_setup to be removed from sequence charts.
Editor's note to be included "Exact definition of the Capacity request message is for further study".
CR was agreed with above changes. Final version R2-99980 to be presented on mail reflector.

10 Proposed changes on 25.321

R2-99902 MAC control of CPCH backoff in TS25.321, MAC Protocol (Golden Bridge Technology)

Document proposes to start an e-mail discussion on CPCH backoff, (GBT is rapporteur) and serve as the starting point for it. This is agreed.

R2-99772 MAC Header Modification for CCCH/CTCH Common Channels (InterDigital)

Proposal was agreed. Final version is R2-99934, see R2-99773.

R2-99773 RACH/FACH MAC Header Channel Types Unification (InterDigital)

Ericsson asked to rename MAC peer-to-peer designation for FDD into future use. The CR was agreed. This CR supersedes R2-99772. Therefore final version is R2-99934, CR 007.

Note: R2-99934 appeared to be a modification of R2-99856. The two documents were merged into R2-99941, originally assigned for update of R2-99856 as CR 003. Therefore R2-99934 is obsolete, since it is covered by CR 003.

R2-99774 and R2-99775 were withdrawn by InterDigital.

R2-99776 MAC Primitives addition and modification (InterDigital)

Also includes a CR to TS 25.301 (see CR 013 in Section 7). The chairman commented that he does not see the need for introduction of the CMAC-Data primitive since the cell update and URA update messages are carried on CCCH in the normal way through RLC. InterDigital stated that the respective primitives are currently used in TS 25.303. The editor of TS 25.303 commented that a CR on these procedures has already been agreed at this meeting.

The chairman and Ericsson commented that the proposed initial access number is not needed on MAC. UE identification is included in the RRC connection setup message.

It was agreed that the CR to 25.321 is not needed.

R2-99801 CPCH Delay Measurements for TS25.321, MAC Protocol (GBT)

Proposes to introduce traffic delay in addition to traffic volume measurements. LGIC asked whether delay measurement is applicable to both transparent and non-transparent RLC modes. GBT replied it

should be applicable to either mode. Ericsson asked whether impact on terminal complexity has been considered. Motorola added that there seems to be a rather significant impact on terminal requirements and wondered whether the benefit justifies the additional complexity. GBT agreed that it has a significant impact on the measurements in RLC and admitted that it requires some deeper consideration. The chairman stated that traffic volume measurement is generally linked to delay measure. He stated it is quicker to react on buffer size than on the proposed delay measurement when e.g. additional resources need to be allocated.

It was agreed that further contributions on the issue would be needed and the chairman invited each interested company to contribute on the issue.

R2-99822 MAC Procedures for CPCH (CCL/ITRI)

Implies change of present L1 random access procedure, 16-bit info appended to each preamble. It was unclear when the acknowledgement on AICH shall be sent after reception of the preamble or after reception of the full burst (WG1 issue). It was clarified that a FACH could be used for transmission of the CAC information. Ericsson commented that WG2 should first wait for comments on feasibility by WG1 before resuming to consider the scheme since the proposed change of the preamble would be rather significant.

The chairman summarized that the main difference between GBT and new CPCH mechanism lies in resolving collisions and possible delays. Further information shall be provided to the next meeting.

R2-99824 MAC Comparison of CPCH Procedures from CCL/ITRI & GBT (CCL/ITRI)

Presented shortly together with R2-99822. See conclusion above.

R2-99879 Proposal for CR to TS25.321 on support of variable rate codecs (Nokia)

The chairman commented that the relation with Iu interface is unclear. Ericsson commented that in the LS it should be emphasized that the proposal only addresses AMR control on the downlink only.

Conclusion: Nokia shall draft an LS to WG3, R2-99942.

R2-99825 Necessity of MAC header for BCCH (NTT DoCoMo)

Ericsson questioned why master-information-block and system-information-block cannot be mapped on the same BCCH. DoCoMo replied that when RRC would perform the scheduling it would be possible. The chairman commented that RRC scheduling is assumed so far in his understanding. Ericsson commented that it might be useful to perform parts of the scheduling and mapping on MAC in order to utilize L2 functions, e.g. segmentation and reassembly on RLC. Nortel also expressed advantage of utilization of RLC segmentation for large system information blocks. The chairman commented it is simpler to perform it on RRC, but possibly solutions can be found. Ericsson commented that there are other contributions, e.g. R2-99810, at AI 14 addressing the issue.

It was agreed that a small group should try to conclude on the issue and present the result before the end of the meeting. The result shall be presented as R2-99944.

R2-99848 RACH partitioning using access slots (Nortel)

Motorola expressed concerns on the general concept of dividing the RACH resource into many access classes, it increases complexity and probability of collision. T-Modes also prefers to grant an access probability for the entire resource. InterDigital commented that they have contribution on ASC for TDD for this meeting. It was clarified that the collision probability in TDD is generally higher than in FDD. Nokia commented that an LS from WG1 should have been arrived stating results of their discussions on this issue. Sony clarified that they originally have proposed to do ASC division based on signature.

The chairman proposed that if partitioning of RACH can be done in both dimensions (access slot and signature) the presented contribution R2-99848 can be used as basis for the specification (depending on WG1 opinion). It was however clarified that specification of RACH partitioning is responsibility of WG2.

Summary/Agreement: Partitioning in access classes agreed. Access control (backoff) based on ASC. Partitioning includes the case that essentially the entire RACH resource can be used by a UE. Motorola shall provide a draft with necessary changes in TS 25.321, R2-99939, CR 006.

R2-99955/R2-99979 CR 004 to TS25.321 on TDD: Support of USCH / DSCH Signalling (Siemens)

See also R2-99858 for explanation. Following change of MAC architecture was agreed: SHCCH connected to MAC-sh, TDD only connection between MAC-sh and MAC-c removed. CR approved with above change. It will be sent on the reflector and if there is no objection it will be approved de facto as R2-99979.

R2-99864/R2-99997 CR 005 to TS 25.321 on Restructuring of Annex B (Siemens)

Approved. New version is R2-99997.

R2-99939/R2-99996 CR 006 to TS 25.321 on Clarification on RACH partitioning and prioritisation via Access Service Classes (ASC) and relation to back-off algorithm (Motorola)

Approved with change: "ASC partitioning" renamed to "RACH partitioning". Final version is R2-99996.

R2-99881/R2-99943 CR 010 to 25.321 on UE-Id formats for MAC (Nokia)

Ericsson asked why any CN assigned UE-ID should be visible on MAC. It was clarified that on DCCH S-RNTI+SRNC-id or C-RNTI is assumed to be used and on CCCH the identity is conveyed by RRC, so currently there is no scenario where CN assigned UE-ID is needed on MAC.

In UE-ID type table, the CN assigned UE-ID type replaced with "future use". Approved with this change, final version is R2-99943.

R2-99799/R2-99936 CR 011 to 25.321 on CPCH Primitives for TS25.321, Mac Protocol Specification (GBT)

Agreed with following changes: CPCH transmission control parameters, channel identification removed. Final version is R2-99936.

R2-99851/R2-99940 CR 012 to 25.321 on Proposal for changes in 25.321 for Timing Advance (Siemens)

Approved with addition of TDD only, R2-99940.

11 Proposed changes on 25.304

R2-99758 Proposal of Access Control for UMTS system (NTT DoCoMo)
Whether there are different access classes per domain, CS and PS, has not been considered. No need to perform paging when access control parameters change. It was clarified that access class parameter is proposed to be removed since it is stored on SIM card. DoCoMo clarified that access class users 0...9 shall be treated evenly, not as in GSM, where users of a specific access class only are barred.
The chairman commented that the proposed algorithm would lead to periodic access restriction allowed/not allowed for all users and that a clear MMI indication to the user equal to the one supported in GSM would be problematic.
Ericsson clarified that both periodic reading of system information as well as reading in case of system information has changed is applicable. DoCoMo stated that the intention of the presented algorithm is to reduce paging. CSELT asked whether an algorithm as in GSM would be dangerous since the user may select another cell and create even more interference in the access barred cell. It was clarified that this will depend how the access algorithm is specified, such a scenario needs to be prevented.
The chairman asked whether someone would volunteer to draft a proposal with an approach equivalent with the one currently used in GSM. This was not the case. Further contributions are invited.

R2-99760 Proposal of paging occasion for PICH (NTT DoCoMo)
Ericsson expressed concern about the proposed formula for "PICH paging occasion" due to the need of making measurements on L1. DoCoMo replied that in that case there would be also a problem with the "SFN paging occasion" scheme. It was agreed that it should be checked with WG1 if there is any problem.
It was discussed whether S-RNTI or IMSI should be used for calculation of paging occasion. It was clarified that different DRX cycle for cell and URA paging could occur in both cases. However in some cases IMSI would not be available whereas S-RNTI is always available.

The proposal was agreed on principle with following changes: division shall be emphasised as integer division ("div"), subtraction of SFNp may be removed possibly,
whether IMSI or S-RNTI is used left open,
to be merged with Siemens proposal R2-99853 for TDD /single formula
special handling of SIM-less user, Ericsson was asked to provide an LS to WG1.

R2-99853 Description of DRX for TDD (Siemens)
Shortly presented without discussion in the meeting. A joint proposal with R2-99760 shall be presented as R2-99951 by an offline expert discussion group (contact person Satoh-san) based on above agreements.

R2-99792 Draft proposal for Admission Control strategy (CSELT)

~~Proposes,~~This contribution was submitted under agenda item 15.1 (RRM Strategies); the Chairman suggested this contribution to be addressed under this agenda item. CSELT clarified that the purpose of the contribution was to stimulate discussion on possible strategies for Admission Control. It proposes, when more than one cell are acceptable for access, in case of ~~access restriction~~excessive load to the best cell, the UE is allowed to select another cell. Proposes to allow service dependent admission control. CSELT clarified that in any case the network shall take the decision whether access is permitted or not. CSELT stated that the load measurement is not yet agreed upon at the last meeting. It was clarified that the load measurement was agreed, but it is not agreed how that is obtained.

R2-99841 Support of Multi-Frame Page Messages (Motorola)
Motorola stated that the proposed algorithm shall provide more flexibility to the operator and higher trunking efficiency in case of high load of the paging channel, on cost of somewhat increased terminal complexity and larger number of paging blocks to decode. Ericsson expressed concern that paging message size cannot be changed on the fly and the larger block length need to be applied by all mobiles on cost of higher power consumption. Motorola replied that the message size should be signalled on broadcast channel. The chairman added that the paging length would probably be changed very infrequently in each cell. It was agreed to have further email discussion on the proposal (rapporteur, Richard Burbidge, Motorola).

R2-99883 Intra-frequency Cell Reselection Algorithm (Nokia)
Discussed together with R2-99884 and R2-99808.

R2-99884 Cell Reselection Process (Nokia)
Discussed together with R2-99883 and R2-99808.

R2-99808 Cell Selection and Cell Reselection Criteria (Ericsson)
Discussed together with R2-99883 and R2-99884.
CSELT ~~commented~~was concerned that discussion and agreement at last meeting has not been taken into account, since proposal in R2-99808 is the same as in R2-99589 presented at the last meeting. Ericsson replied that it was tried to take the comments into account. Nokia does not see the need for immediate cell selection procedure.
Conclusion: Nokia sees possibility to have both modes permitted, sees Ericsson scheme as the more intelligent one whereas Nokia aims to optimise the BCH load. An offline discussion group tries to provide a merged proposal during the meeting R2-99952. If no success further discussion via e-mail.

R2-99952 Merge of cell selection and reselection contributions (Nokia)

This document is a merger of three Nokia and Ericsson contributions (R2-99808, R2-99833 and R2-99834). SoLSA will be added as one of the requirements for the cell selection procedure and this is for ffs. In section 5, dB or dBm needs to be clarified. Add to section 5.2.2 that conditions on the use of the immediate cell evaluation procedure are ffs. Regarding "Q" there will be an 'or' instead of the division, but the exact definition of Q is ffs. ~~It~~Vodafone proposes to have the consideration of the UE speed mentioned ffs; the Chairman states that it is not clear where the UE speed should be mentioned and that it is better to move to the next document since time is getting short; CSELT supported Vodafone proposal and suggests to mention the UE speed (ffs) at the beginning of section 5.2.3.1; the Chairman suggests that the document is ~~not finished. The document is approved keeping this in mind.~~approved so that the meeting can proceed quickly, but delegates should bear in mind that the document is clearly not finished and further contributions are required.

R2-99951 Proposed changes on TS25.304 on DRX for FDD and TDD (NTT DoCoMo, Siemens)

Approved.

12 Technical Reports for the completion of release 99 specifications

12.1 Protocol methodology (proposed changes on 25.921)

R2-99927 Proposal to start an email discussion on RRC ASN.1 definitions (Nokia)
Proposal to establish email discussion group on RRC ASN.1. The chairman remarks that ASN.1 specialists should be involved in this. The proposal is accepted. Nokia was assigned as rapporteur of the group.

R2-99938 Use of SDL in RAN WG2 specifications (Ericsson)
Proposal to make text normative and the SDL, if used at all, informative. Telelogic would prefer to defer this decision, as a decision against the use of SDL would lower the quality of the WG2 output. However, the chairman remarks that it is already late to start any SDLs, as there is only one WG2 meeting left at which the specification has to be approved. Telelogic proposed to adapt the sentence such that it pertains only to Release99 and that SDL (in Release99) will only be used in informative parts of the specifications. This was accepted. The text proposed for TR25.921 will be included with above small change.

~~*1.2*~~*12.2 Error handling and extension mechanisms (proposed changes on 25.921)*

R2-99831 Requirements for extension capabilities (Nortel)
Proposal to introduce identification of a protocol version via version number for RLC and MAC, but not for RRC. For RRC, extensions shall be handled by the choice of the message transfer syntax or other mechanisms, if needed. Ericsson asked how interaction between RRC and MAC shall be handled. It was clarified that a mechanism needs to be defined, e.g. based on UE classmark negotiation as in RLP.
The proposal to have version numbers for RLC and MAC was accepted. For RRC the extension mechanism is left for further discussion. The editor shall include a statement to this effect into TR 25.921.

~~*1.3*~~*12.3 Location services (proposed changes on 25.923)*

12.4 SMS Cell Broadcast (proposed changes on 25.924)

13 RLC protocol 25.322

It is decided that there will be an e-mail discussion with CSELT (Nicola Magnani) as the rapporteur, taking into account the input documents of this meeting that were not handled.

R2-99946 Resolution of inconsistencies and editorial clarifications in TS25.322 (Editor, CSELT)

Inconsistencies have been repaired and comments from Ericsson and NTT DoCoMo in particular have been included. The model of RRC was moved back to the beginning of the document with a comment that it is only a model, not an implementation. The document is approved with this change.

14 RRC protocol 25.331

Model:

R2-99834 RRC and RFE functions (Lucent)
This document proposes to remove the routing function (to different CNs) from the RRC. Ericsson commented that there is currently a CN domain identity defined in RRC. Lucent clarified that with their proposal CN identification on RRC would not be needed. It was stated that the corresponding function in GSM is described in GSM 04.07 and it is not part of the RR protocol. It was agreed to move the CN

routing out of the RRC protocol. The SAPs above RFE should, however, not be shown. The relevant figure in TS 25.331 shall be changed accordingly. Changes of the text shall be considered later, including in which document the RFE function shall be described in the future. Necessary changes of TS 25.301 will be considered at and after the meetings with SA1 and SA2 next week.

R2-99762 Definition of RAB ID in RRC and RANAP (NTT DoCoMo)
The proposal was accepted with changes. RAB identity shall be changed to Radio Bearer identity. Information elements related to signalling link shall refer to "Radio Bearer 0". Changes to be performed by editor of TS 25.331. The editor will present an implied CR to TS 25.303 at the next WG2 meeting.

R2-99809 Principles for specification of RRC procedures (Ericsson)
The proposal was agreed on principle and shall be applied in future contributions. It shall be re-visited and possibly be refined when concrete RRC procedures are discussed. The present procedures in TS 25.331 shall be revised accordingly (distribution of work pending).

R2-99807 RRC protocol states (Ericsson)
Philips commented that in their understanding only PCH is monitored in idle mode. Ericsson replied system information on BCH should be permitted and multicast services on FACH. The chairman asked whether a consequence of the proposal would be that all state descriptions shall be moved from TS 25.303 to TS 25.331. The editor stated that he has no strong preference.
The chairman asked why different states cell_DCH and cell_FACH would be needed, since there is not much difference. Ericsson replied that e.g. cell update procedures shall be normative only in cell_FACH state for the UE. Other procedures will be common to both states.

Motorola asked about state transitions from DCH to cell_PCH or URA_PCH. An editors note was agreed, stating FFS for the state transition for further discussion, unclear whether this transition is needed.
DoCoMo asked whether the shown state transitions only show the normal case, whether there are other transitions in error cases, for example transition to idle mode in case of timer expiry. It was clarified that this could be possible but may not need to be shown in the model.
Decision: All CRs to TS 25.303 agreed so far are still valid. The model shall also be adopted for TDD (shared channels, applicable to cell_FACH state). The proposed state model will be included into the next version of TS 25.331 (due to vacation of the editor, Ericsson was assigned to continue with updating 25.331 if needed). The respective section in TS 25.303 shall be removed with a formal CR to be presented at the next WG2 meeting, and shall also be presented to the next RAN plenary in October.

Power control:

R2-99777 Outer Loop Power Control for TDD Mode (InterDigital)
Presented for information only. The document was noted.

R2-99806 Improvement of outer-loop power control in compressed mode (Alcatel)
Presented and discussed together with R2-99795.

R2-99795 Proposal for signalling parameters of the downlink compressed mode control (Alcatel)
Compressed mode on the downlink only is considered. Panasonic expressed concerns on the signal-to-noise ratio increment deltaEb/N0 and deltaEb/N0after parameters, allowing increase only.
The proposal was accepted with following change: An editorial note shall be included, "Whether the delta shall allow both increase and decrease or only increase of the Eb/N0 target value is FFS".
In the table, for the PD parameter, "expressed in number of frames" shall be deleted.
Change of "for each radio link" according to comment from NTT-DoCoMo.

R2-99796 Proposal for control of the downlink outer loop power control (Alcatel)
It was not clear whether so far there were any assumptions on UE functionality related to open-loop power control, what level of flexibility the UE should have.
GBT expressed concerns that any interaction between inner fast closed-loop and outer loop power control is not considered in the proposal.
CSELT commented that the proposal has to be considered carefully from an operator perspective in order to ensure that instability does not arise in case of overload in the network.

R2-99895 Algorithm of outer loop power control (NEC, T-Modus)

The chairman asked how the FER value can be common for all transport channels. T-Modus replied that some conversion (into quality level info) has to be applied into the value used in the formula, which is not addressed here. The chairman also commented that some channels may not have CRC. Nokia commented that an LS to RAN WG4 shall be written asking to what extend the open-loop power control algorithms needs to be standardised.
Conclusion on R2-99796, R2-99895: The Alcatel concept R2-99796 is agreed on principle and the CR is accepted with following change: in the proposed Section 10.1.5.12, RLC- SAP usage changed to "AM or UM (FFS)" instead AM.
The algorithm is left for further discussion. Alcatel shall draft an LS to WG4 as R2-99958 describing the status on open-loop power control in WG2 and asking for comments.

R2-99914 Assignment of parameters for slow transmit power control (NEC, T-Modus)
Motorola asked whether slow power control has a relationship to the gated transmission. There were significant differences identified (e.g. DTX on frame level, DL TPC bits replaced with PCR bits). There are also delays for deactivation of slow power control. Samsung asked about the need to include activation time parameter. It was clarified that it may not be needed but it is anyway included in most of the related RRC messages.
The chairman commented that both schemes, slow power control and gated transmission, have the same objective. However, slow power control does not seem to have the disadvantages identified at presentation of R2-99910.
The chairman asked why the scheme is not applied on the uplink. Potential problems on uplink were identified.
It was agreed that the scheme should be regarded to be service dependent. The chairman asked whether the scheme is agreed or not. Ericsson commented that according to their information the scheme was not really discussed yet in WG1.
Conclusion: No problem seen with regard to protocol aspects. LS to WG1 R2-99959 shall be drafted by T-Modus stating that no problem seen with regard to protocol aspects. Waiting for reply from WG1 whether the scheme will be needed or not before defining any messages.

Other:

R2-99858 TDD: Operation on Shared Channels / RRC signalling for USCH and DSCH (Siemens)
New logical channel SHCCH. No question. Motorola commented that RRC signalling may not always be efficient. Document was noted.

14.1 RRC connection management procedures

R2-99811 Merge of system information procedures (Ericsson)
Nokia asked whether master information block could be sent on a dedicated control channel also. Ericsson replied it would be possible on principle but no scenario is seen where this would be useful. Nortel asked whether same information would be sent on both FACH and BCCH. Ericsson replied that it would be generally different information, e.g. only the parameters needed for DRAC.
The changes were approved and will be incorporated in TS 25.331.

R2-99754 Timer for RACH/FACH or PCH substate (NTT DoCoMo)

Ericsson remarked that it should be discussed in general how timers need to be defined.

The proposal is accepted. Chairman expects a contribution for the next meeting on how to define timers.

R2-99756 Timer for RRC Connection Setup Procedure (NTT DoCoMo)
Philips and Sony questioned the need for the second timer is seen. DoCoMo replied it is required for service quality management.
The proposal was agreed with changes: Timer_RRC_connection_establish removed, replaced with counter for maximum number of retries, counter Counter_await_RRC_connection_setup removed, some other changes in text.

R2-99757 Proposal of Relationship between PRACH and SCCPCH (for FACH) (NTT DoCoMo)
It was identified that there is no clear definition of a PRACH. Ericsson commented one PRACH refers to all signatures and all access slots for one scrambling code. PRACH set associated with one fixed

TFCI set. The issue is left open for now. The chairman summarises the problem that needs solving as follows:

1) Do we need partitioning into multiple FACH? (for TDD the answer is almost certainly yes)

2) What is the best way for the terminal to know where it should listen for the FACH?

R2-99812 Addressing for cell and URA update procedures – changes to 25.331 (Ericsson)
The chairman remarks that the logical channel is to be used for Cell and URA update messages. The proposal was accepted with two small changes: DCCH or CCCH "(optional)" changed to "(either/or)". In the table, the rows S-RNTI and SRNC identity shall be exchanged in order.

R2-99813 Specification of RRC procedure: RRC connection establishment (Ericsson)
RRC connection establishment using new state model R2-99807. It was clarified that the section 2.1 is the actual procedure. Section 2.2 – 2.4 shall be included into TS 25.331 the part individual for each procedure. Section 2.5 shall be included as a new section common to all procedures. With this clarification the proposal was accepted.
Same additional proposal was requested on the structure of TS 25.331 from Ericsson. Philips proposed to present a message specification in the procedure section. This was not accepted.

R2-99826 Proposal on AM_RLC re-configuration procedure (NTT DoCoMo)

CCL/ITRI asked how RLC failure is detected (figure 1). The chairman commented that this could be done with maximum number of retransmission parameter. NTT DoCoMo replied that this was not the topic of the document. Ericsson asked about reestablishment procedure. The chairman commented that it would be good to have one procedure for periodical cell update and reestablishment. Editorial error: in the last table, in the column with 'note 1' this should be 'note 3'. Nokia states that it would be consistent to use the same procedure for all mobile-detected failures. NTT DoCoMo repeats that this is not the issue discussed in the document. A note shall be added on request by Nokia, to the effect that in the mobile-originated case, reestablishment is for further study.

The proposal was accepted with these changes.

R2-99944 Scheduling of system information (Ericsson)

Update of R2-99810. Proposing that scheduling, segmentation and re-assembly of system information is done by RRC. Repetition period is a dynamic parameter, which is operator-dependent. Nortel mentions that a GSM-procedure can be used for RRC segmentation. Nortel will provide a contribution. The conclusion/recommendation of the document is accepted.

R2-99924 Procedure to change the ciphering key of a connection (Nortel)
CR to TS 25.331 based on discussion of R2-99829 and R2-99845/R2-99894.
RAB changed to RB; frame number shall be used for count value for each RB. Agreed with changes.

14.2 RRC connection mobility procedures

R2-99753 Timer for Periodical Cell Update Procedure (NTT DoCoMo)
It was discussed whether it is necessary to include into the specification the timers in UTRAN. The agreement was to delete the timers, i.e. entire Section 14.2.
The rest of the document was agreed (editorial change of timer naming could be done later).

R2-99755 Timer for Cell Update Procedure (NTT DoCoMo)
Need for Cell and URA update reject message ffs, shall be clarified whether it is need or not.
The proposal was accepted

R2-99814 Specification of RRC procedure: Cell update (Ericsson)
Cell update procedure using new state model R2-99807. NTT DoCoMo proposed that according to the agreement made at R2-99753, the UTRAN timers should be removed. It was agreed to remove T361. T357 was kept until it is clear whether it needs to be specified or not.

R2-99815 Specification of RRC procedure: RNTI reallocation (Ericsson)
The chairman commented that whether “NAS system information” is needed or not should to be reconsidered when SRNS relocation procedure is specified. Shall be re-considered at the joint meeting on Monday next week. Timer T361 in UTRAN agreed to be removed. Proposal was agreed with this change.

R2-99840 Modifications to RRC required to support mobility of users on the DSCH (Motorola)

Proposes a new RRC procedure "DSCH handover". The chairman comments that it is not clear how handover of a common resource (DSCH) can be done. It was clarified that what is performed is deallocation of the DSCH in one cell and allocating another DSCH in a new cell. The chairman and Ericsson commented that it can probably be performed with already existing procedures, e.g. transport channel reconfiguration, possibly requiring new parameters. Discussion of the proposed parameter list was moved to agenda item 14.4 or e-mail.

R2-99781 UE Measurement Schemes for Intra-Frequency Measurements (Qualcomm)

NTT DoCoMo asked what the response of UTRAN on event 1H is. Qualcomm explained that in that case the UE can request the network to remove a pilot from the active set. Ericsson asked why the evaluation is not performed in the network based on existing events. Qualcomm explained that the intention is to minimise the number of events and that the required information can not be retrieved from existing events.

The formula in the document is agreed and to extend events 1A and 1B with parameter S.

14.3 Radio Access Bearer Control Procedures

14.4 RRC message parameters

Document R2-99957, which replaces R2-99771, R2-99778, R2-99779, R2-99780, R2-99860, R2-99861, R2-99862 and R2-99863, and which also is based on R2-99849, will be handled by an e-mail discussion, with Steve Terry (InterDigital) as rapporteur.

~~**R2-99885 Secondary reporting quantities in measurement reports (Nokia)**~~

R2-99903 Proposal for the usage of Tag field in System Information Message (Hyundai)

This document (based on R2-99786) will be discussed in next week's workshop.

15 Other Technical reports

15.1 RRM strategies 25.922

An e-mail discussion will be held with CSELT (Nicola Magnani) as rapporteur, taking into account the input documents for this meeting that were not handled.

15.2 ODMA 25.925

16 Liaison and output to other groups

R2-99897/R2-99973 Proposed liaison on Support of Handover Notification (Motorola)

LS to TSG T WG2 MeXe in reply to R2-99745. Approved. Final version is R2-99973.

R2-99898/R2-99974 Proposed Liaison on Length of SFN (Motorola)

LS to RAN WG2 in reply to R2-00833. Approved with small editorial correction noted by the editor. Final version is R2-99974.

R2-99962/R2-99975/R2-99998 Proposed liaison on baseline implementation capabilities (Motorola, Ericsson)

LS to TSG T WG2. Ericsson has comments on R2-99962 by Motorola. R2-99975 is new version. Ericsson presented this document. Ericsson's changes were approved as R2-99998.

R2-99967/R2-99976 Proposed liaison – Response to liaison on service implementation capabilities (Motorola)

LS to TSG T WG2 in reply to R2-99835. Approved. New version is R2-99976.

R2-99966/R2-99981 Proposed liaison statement to TSG RAN WG3 on the overall delay budget (T-Mobil)

Approved with small change "… between UTRAN and the UE" added. Final version is R2-99981.

R2-99893/R2-99982 Draft LS answering WG1's comments on 25.302 (Ericsson)

Approved. Final version is R2-99982.

R2-99896/R2-99983 Draft response to LS on Ciphering mechanisms in case of multiple RABs (Vodafone)

Approved with change: "shall be able to" changed to "may be". Final version is R2-99983.

R2-99899/R2-99984 Parameters to be stored in the USIM (Nokia)

LS to S2, S3, T2. Approved. Final version is R2-99984

R2-99900/R2-99985 Draft LS on Use of Prioritising Channel Selection for Cell Selection Procedure (Lucent)

LS to SA1, TSG RAN, TSG SA. Ericsson commented that BCCH must always be decoded. I t was clarified that this was correct. Sentence "...also not requiring the UE to decode the BCCH..." is deleted. First sentence of conclusion should start with "Since the mechanism may affect the PLMN selection of UE when roaming, ...". Approved with these changes. Final version is R2-99985.

R2-99942/R2-99986 Proposed LS to clarify transmission of variable-rate codec mode commands on the Iu -interface (Nokia)

LS to WG3 and SA4. The sentence "The same principle has been agreed to be applied in WG2" will be replaced by " It should be noted that the requirement is that one AMR mode command can be sent every TTI". Approved with these changes. Final version is R2-99986.

R2-99958/R2-99987 LS on status of the work on power control issues (Alcatel)

In the first sentence, "should" shall be changed to "can" and add "...and vary between a min and max SIR value" at the end of the first sentence. Approved with these changes. Final version is R2-99987.

R2-99959/R2-99988 (Draft) Liaison statement on Slow transmit power control (T-Modus)

Approved. Final version is R2-99988.

R2-99964/R2-99989 Reply to LS from WG1 on power control issues (Alcatel)

"Delta" turns out to be "zero or positive". In the section on outer loop power control, the first two non-italic sentences shall be changed to "In the downlink, the outer-loop power control algorithm can be in the UE. It means that less frequent power control commands have to be sent to the UE (i.e. only the configuration for the outer loop power control algorithm needs to be signalled from UTRAN to UE)". The last sentence in this section should be changed to "...99778) with a proposal to add UL SIR target to the ... mode. Lack of time did not allow to discuss the contribution." The latter part of that sentence will be deleted if we have time after all.

With these changes the LS is approved. Final version is R2-99989.

R2-99968/R2-99990 Proposed LS to RAN WG3 on SMS cell broadcast (Nokia)

In the report TR 25.925 three options are discussed, but here option 1 is selected. With a sentence to that effect, the LS is approved. Final version is R2-99990.

R2-99969/R2-99991 Proposed LS to WG3 on status of the work on LCS (Nortel)

WG2 did not select any positioning method yet but will do so in future meetings. With this note the document is approved. Final version is R2-99991.

R2-99971/R2-99992 Proposed LS on status of the work on RACH model (Nortel)

Change in the sentence "Concern over the efficiency of RACH partitioning..." (RACH, not ASC). Approved with this change. Final version is R2-99992.

R2-99963/R2-99993 Proposed Reply to Liaison Statement on Timing Advance for TDD (Siemens)

Approved. Final version is R2-99993.

R2-99965/R2-99994 Proposed LS to RAN WG1 on USCH requirement for TDD (Siemens)

Copy to T2. Approved. Final version is R2-99994.

R2-99961/R2-99995 Proposed LS to RAN WG1 on paging occasions (Ericsson)

Approved. Final version is R2-99995.

17 Any other business

Possibly two new specifications to be added: PDCP (TS 25.323) and BMC (TS 25.324).

Softcopies of all LS need to be given to the Secretary (Hans van der Veen).

Summary of email discussion groups:

CPCH backoff	(rapporteur: GBT)
RLC	(rapporteur: CSELT, Nicola Magnani)
RRM strategies	(rapporteur: CSELT, Nicola Magnani)
Service capabilities	(rapporteur: Motorola)
LCS	(rapporteur: Nortel, David Steer)
SDL	(rapporteur: NTT DoCoMo)
Multi-frame page message	(rapporteur: Motorola, Richard Burbidge)
RRC ASN.1 definitions	(rapporteur: Nokia)
TDD parameters and IE in RRC messages	(rapporteur: InterDigital, Steve Terry)

Future WG2 and RAN plenary meetings in 1999 and 2000:

Meeting	Dates	Location	Country	Host
Year	Meeting	Dates	Location	Country	Host
WG2 #7	20 - 24 September	Malmö	Sweden	Telelogic
1999	WG2 #7	20 - 24 September	Malmö	Sweden	Telelogic
RAN #5	6 - 8 October	Kyongju	Korea	TTA
	RAN #5	06 - 08 October	Kyongju	Korea	TTA
WG2 #8	2 - 5 November	tbd.	Korea	Samsung
WG2 #9	6 - 10 December	tbd	tbd	tbd
	WG2 #8	02 - 05 November	tbd	Korea	Samsung, LGIC
	WG2 #9	06 - 10 December	tbd	tbd	tbd
	RAN #6	13 - 15 December	Nice	France	ETSI
2000	WG2 #10	17 - 21 January	tbd	tbd	tbd
	WG2 #11	28 Feb - 03 March	tbd	tbd	tbd
	RAN #7	13 - 15 March	Madrid	Spain	?
	WG2 #12	10 - 14 April	tbd	tbd	tbd
	WG2 #13	22 - 26 May	tbd	tbd	tbd
	RAN #8	05 - 07 June	Berlin	Germany	Mannesmann
	WG2 #14	03 - 07 July	tbd	tbd	tbd
	WG2 #15	21 - 25 August	tbd	tbd	tbd

	RAN #9	25 - 27 September	tbd	tbd	tbd	
	WG2 #16	02 - 06 October	tbd	tbd	tbd	
	WG2 #17	13 - 17 November	tbd	tbd	tbd	
	RAN #10	11 - 13 December	tbd	tbd	tbd	

18 Closing of the meeting *(17:00)*

Annex A: List of documents related to meeting #6

Tdoc nr	Title	Source	Agenda item
R2-99705	Agenda	Chairman	2
R2-99706	Draft minutes of the 3GPP TSG-RAN WG2 meeting #5 (5 – 9 July 99, Sophia Antipolis, France)	Secretary	4.1
R2-99707	Approved minutes of the 3GPP TSG-RAN WG2 meeting #5 (5 – 9 July 99, Sophia Antipolis, France)	Secretary	4.1
R2-99708	3GPP TS 25.301: Radio Interface Protocol Architecture	Editor	4.2
R2-99709	3GPP TS 25.302: Services provided by the physical layer	Editor	4.2
R2-99710	3GPP TS 25.303: UE functions and inter-layer procedures in connected mode	Editor	4.2
R2-99711	3GPP TS 25.304: UE procedures in Idle Mode	Editor	4.2
R2-99712	3GPP TS 25.321: Description of the MAC protocol	Editor	4.2
R2-99713	3GPP TS 25.322: Description of the RLC protocol	Editor	4.2
R2-99714	3GPP TS 25.331: RRC protocol	Editor	4.2
R2-99715	3GPP TR 25.921:Guidelines and principles for protocol description and error handling	Editor	4.2
R2-99716	3GPP TR 25.922: Radio Resource Management Strategies	Editor	4.2
R2-99717	3GPP TR 25.923: Location Services (LCS) features	Editor	4.2
R2-99718	3GPP TR 25.924: ODMA	Editor	4.2
R2-99719	3GPP TR 25.925: Broadcast/Multicast services	Editor	4.2
R2-99720	report of e-mail ad_hoc on alignment of 25.331 to Tabular Format	Rapporteur (Motorola)	5
R2-99721	report of e-mail ad_hoc on RRC messages and parameters	Rapporteur (NTT DoCoMo)	5
R2-99722	report of e-mail ad_hoc on MAC peer to peer signalling	Rapporteur (Siemens)	5
R2-99723	report of e-mail ad_hoc on RRM	Rapporteur (CSELT)	5
R2-99724	report of e-mail ad_hoc on Location Services	Rapporteur (Nortel Networks)	5
R2-99725	report of e-mail ad_hoc on SDL description in 25.322	Rapporteur (NTT DoCoMo)	5
R2-99726	report of e-mail ad_hoc on SMSCB	Rapporteur (Mannessmann)	5
R2-99727	report of e-mail ad_hoc on ODMA report	Rapporteur (Vodafone)	5
R2-99728	LS to RAN WG 3 and RAN WG 2 on Release '99, MSC issues with GSM 04.08 (resubmission of R2-99673	TSG-CN1	4.4
R2-99729	LS on Timing Advance for TDD (resubmission of R2-99697)	RAN3	4.4
R2-99730	Reply to TSGR2#5(99)693 on RACH Payload Requirements	TSG RAN WG1	4.4
R2-99731	Reply to LS on RACH prioritisation	TSG RAN WG1	4.4
R2-99732	Answer to Liaison Statement from WG3 on Timing Advance for TDD	TSG RAN WG1	4.4
R2-99733	LS on Separate delivery of Transport Blocks within a Transport Block Set by MAC-d to L1	TSG RAN WG1	4.4

R2-99734	LS to inform about the decisions made in TSG-R WG1 meeting #6 regarding the downlink Tx diversity	TSG RAN WG1	4.4
R2-99735	Liaison Statement requesting views on the envisaged impact of DPCCH gating of UE when in Control Only State	TSG RAN WG1	4.4
R2-99736	Liaison statement to WG2, WG3 and WG4 on power control issues	TSG RAN WG1	4.4
R2-99737	Liaison statement on 'Physical layer measurements'	TSG RAN WG1	4.4
R2-99738	Answer to Liaison statement on TS 25.302, 'Services provided by the Physical Layer'	TSG RAN WG1	4.4
R2-99739	Answer to Liaison Statement from TSG RAN WG2 on USCH requirement for TDD	TSG RAN WG1	4.4
R2-99740	Answer to Liaison Statement on Identification of Multicall Bearers	TSG RAN WG3	4.4
R2-99741	LS on Ciphering mechanisms in case of multiple RABs	TSG RAN WG3	4.4
R2-99742	Response to LS on the MSC issues with GSM 04.08	TSG RAN WG3	4.4
R2-99743	LS about Overall Delay Budget within the Access Stratum Results and Requirements	TSG RAN WG3	4.4
R2-99744	LS on Inclusion of NAS information in Cipher Mode Command	TSG RAN WG3	4.4
R2-99745	LS on MExE support of handover notifications	TSG-T2 SWG1 MExE	4.4
R2-99746	Status of cell identity on broadcasted channels	Thomson CSF	14.4, e-mail
R2-99747	Proposal for change in RLC control pdu	Silicon Automation Systems	13, e-mail
R2-99748	LS on MExE support of QoS negotiation	TSG-T2 SWG1 MExE	4.4
R2-99749	Change Request to 25.303 for the clarification of control only substate	SAMSUNG Electronics	9
R2-99750	withdrawn	SAMSUNG Electronics	withdrawn
R2-99751	withdrawn	SAMSUNG Electronics	withdrawn
R2-99752	Simulation Results on Down-Link Variable Rate Packet Transmission	Panasonic	15.1, e-mail
R2-99753	Timer for Periodical Cell Update Procedure	NTT DoCoMo	14.2
R2-99754	Timer for RACH/FACH or PCH substate	NTT DoCoMo	14.1
R2-99755	Timer for Cell Update Procedure	NTT DoCoMo	14.2
R2-99756	Timer for RRC Connection Setup Procedure	NTT DoCoMo	14.1
R2-99757	Proposal of Relationship between PRACH and SCCPCH (for FACH)	NTT DoCoMo	14.1
R2-99758	Proposal of Access Control for UMTS system	NTT DoCoMo	11
R2-99759	Proposal of Paging Record Type Identifier in Paging Type2	NTT DoCoMo	14.4, e-mail
R2-99760	Proposal of paging occasion for PICH	NTT DoCoMo	11
R2-99761	Proposal of Maximum Allowed UL Power	NTT DoCoMo	14.4, e-mail
R2-99762	Definition of RAB ID in RRC and RANAP	NTT DoCoMo	14
R2-99763	CR 007 to TS25.301 on removal of Quick repeat from RLC functions	NTT DoCoMo	4.3
R2-99764	Clarification on application of POLL_PROHIBIT to poll triggers	NTT DoCoMo	13, e-mail
R2-99765	withdrawn	LGIC	withdrawn
R2-99766	CR to 25.303 on Dynamic Access Bearer Control	LGIC	4.3

R2-99767	withdrawn	LGIC	withdrawn
R2-99768	CR to 25.321 on MAC Function Table	LGIC	10
R2-99769	CR to 25.301 on L3CE	Bosch Telecom	7
R2-99770	UE Simultaneous Physical Channels	InterDigital	8
R2-99771	Definition of RACH ASC and use of Sys Info	InterDigital	14.4
R2-99772	CCCH/CTCH MAC Headers	InterDigital	10
R2-99773	RACH/FACH Channel Types Id	InterDigital	10
R2-99774	withdrawn	InterDigital	withdrawn
R2-99775	withdrawn	InterDigital	withdrawn
R2-99776	MAC-RRC Primitives	InterDigital	7, 10
R2-99777	Outer Loop Power Control Information	InterDigital	14
R2-99778	Outer Loop Power Control Proposal	InterDigital	14.4
R2-99779	RRC IE's and Parameters	InterDigital	14.4
R2-99780	Dedicated Frame Number Est&Rls	InterDigital	14.4
R2-99781	UE Measurements Schemes for Intra-Frequency Measurements	QUALCOMM Europe	14.2
R2-99782	Overview of the TDD harmonization and the key features of TD-SCDMA	CWTS	6
R2-99783	Some Influences on MAC Layer on Account of The Four Key Features of TD-SCDMA	CWTS	6
R2-99784	Proposal of a parameter of RRC Connection Re-establishment indicator	Fujitsu	14.4, e-mail
R2-99785	withdrawn	Fujitsu	withdrawn
R2-99786	Proposal for the usage of Network Discriminator in System Information Message	Hyundai	14.4, e-mail
R2-99787	CR 007 to 25.303 on transfer and update of system information	Ericsson	4.3
R2-99788	CR to 25.321 on Modified MAC handling of FACH and PCH	Ericsson	4.3
R2-99789	CR to 25.321 on Modification of MAC primitives	Ericsson	4.3
R2-99790	Text Draft proposal for TR 25.922 V0.2.1 on Radio Resource Management Strategies	CSELT	15.1, e-mail
R2-99791	Criteria for Soft Handover Algorithm	CSELT	15.1, e-mail
R2-99792	Draft proposal for Admission Control strategy	CSELT	11
R2-99793	Mode control strategies for tx diversity	CSELT	15.1, e-mail
R2-99794	Criteria for Cell Selection/Re-selection Algorithm	CSELT	15.1, e-mail
R2-99795	Proposal for signalling parameters of the downlink compressed mode control	Alcatel	14
R2-99796	Proposal for control of the downlink outer loop power control	Alcatel	14
R2-99797	Updated CPCH Procedures	GBT	10, e-mail?
R2-99798	CPCH primitives for TS25.302, Services Provided by the Physical Layer	GBT	8
R2-99799	CPCH Primitives for TS 25.321, MAC Protocol	GBT	10
R2-99800	CR 009 on TS25.301: Delete CPCH Annex(informative)	GBT	7
R2-99801	CPCH Delay Measurements for TS25.321, MAC Protocol	GBT	10

R2-99802	CPCH Delay Measurements for TS25.331, RRC Protocol	GBT	14.3, e-mail
R2-99803	CR 004 to TS25.301 on Modification of C-RNTI definition	Nokia	4.3
R2-99804	CR 005 to TS25.301 on Addition of Integrity protection function in RRC layer	Nokia	4.3
R2-99805	CR 006 to TS25.301 on Clarification on the usage of CCCH vs DCCH logical channels	Nokia	4.3
R2-99806	Improvement of outer-loop power control in compressed mode	Alcatel	14
R2-99807	RRC protocol states	Ericsson	14
R2-99808	Cell selection and reselection criteria	Ericsson	11
R2-99809	Principles for specification of RRC procedures	Ericsson	14
R2-99810	Scheduling of system information	Ericsson	14.1
R2-99811	Merge of system information procedures	Ericsson	14.1
R2-99812	Addressing for cell and URA update procedures - changes to 25.331	Ericsson	14.1
R2-99813	Specification of RRC procedure: RRC connection establishment	Ericsson	14.1
R2-99814	Specification of RRC procedure: Cell update	Ericsson	14.2
R2-99815	Specification of RRC procedure: RNTI reallocation	Ericsson	14.2
R2-99816	RLC modes for RRC messages	Ericsson	14.4, e-mail
R2-99817	System information blocks	Ericsson	14.4, e-mail
R2-99818	Inclusion of message parameters for DRX	Ericsson	14.4, e-mail
R2-99819	Value range for transport channel information elements	Ericsson	14.4, e-mail
R2-99820	Value range for physical channel information elements	Ericsson	14.4, e-mail
R2-99821	Draft proposal for code allocation strategy	CCL/ITRI	15.1, e-mail
R2-99822	MAC procedures for CPCH	CCL/ITRI	10
R2-99823	Real-time support for acknowledged mode in RLC	CCL/ITRI	13, e-mail
R2-99824	Comparison of CPCH MAC procedures from CCL/ITRI and GBT	CCL/ITRI	10
R2-99825	Necessity of MAC header for BCCH	NTT DoCoMo	10
R2-99826	Proposal on AM_RLC re-configuration procedure	NTT DoCoMo	14.1
R2-99827	withdrawn	NTT DoCoMo	withdrawn
R2-99828	withdrawn	NTT DoCoMo	withdrawn
R2-99829	Procedure to change ciphering key of the signalling connection in two-key solution	Nortel Networks	9
R2-99830	Clarification in S25.303 of model for RACH procedures	Nortel Networks	9
R2-99831	Requirements for extension capabilities	Nortel Networks	12.2
R2-99832	Impact of two cipher key solution on multiplexing at RLC and MAC level	Nortel Networks	7
R2-99833	Liaison Statement on Length of SFN	TSG RAN WG1	4.4
R2-99834	RRC and RFE functions	Lucent Technologies	14
R2-99835	Liaison statement to TSG RAN WG2 on Service Capabilities	TSG T WG2	4.4
R2-99836	Revised and expanded ODMA technical report 25.924	Vodafone Ltd	15.2, WG2 #7?

R2-99837	Open issues in the FAUSCH parameters discussion	Philips	14.4, e-mail
R2-99838	CR to TS25.301 on Broadcast/Multicast	Mannesmann Mobilfunk GmbH	7
R2-99839	Modifications to RRC messages and information elements required to support the DSCH	Motorola (S. Barrett)	14.4, e-mail
R2-99840	Modifications to RRC required to support mobility of users on the DSCH	Motorola (S. Barrett)	14.2
R2-99841	Support of multi-frame page messages	Motorola (S. Barrett)	11
R2-99842	Modifications to RRC messages and information elements required to support rapid DCH initialisation procedures	Motorola (S. Barrett)	14.3, e-mail
R2-99843	New IE required to support multi-frame page messages	Motorola (S. Barrett)	14.4, e-mail
R2-99844	25.331, RRC Protocol Specification, V1.2.1	Motorola (S. Barrett)	14.4, e-mail
R2-99845	withdrawn	Telecom Modus	withdrawn
R2-99846	withdrawn	Telecom Modus	withdrawn
R2-99847	withdrawn	Telecom Modus	withdrawn
R2-99848	RACH partitioning using access slots	Nortel Networks	10
R2-99849	Description of the Timing Advance Mechanism for TDD	Siemens AG	7
R2-99850	Proposal for changes in 25.302 for Timing Advance	Siemens AG	8
R2-99851	Proposal for changes in 25.321 for Timing Advance	Siemens AG	10
R2-99852	Proposal for changes in 25.322 for Timing Advance	Siemens AG	13, e-mail
R2-99853	Description of DRX for TDD	Siemens AG	11
R2-99854	Proposal for changes in 25.302 according to PCH structure for TDD	Siemens AG	8
R2-99855	Measurements for TDD provided by the physical layer	Siemens AG	8
R2-99856	CR to TS 25.321:MAC peer to peer signalling	Siemens AG	4.3
R2-99857	Measurements concepts for channel assignment in TDD	Siemens AG	8
R2-99858	tbd	Siemens AG	open
R2-99859	RLC-MAC primitives	Siemens AG	13, e-mail
R2-99860	TDD: Physical Channel Information Elements	Siemens AG	14.4
R2-99861	TDD: Transport Channel Information Elements	Siemens AG	14.4
R2-99862	TDD: RRC Connection Establishment and Maintenance messages	Siemens AG	14.4
R2-99863	TDD: RRC Radio Access Bearer Control messages	Siemens AG	14.4
R2-99864	CR to 25.321 Structure of the Annex to TS25.321	Siemens AG	10
R2-99865	Physical channels in TDD	Siemens AG	8
R2-99866	CR 001 to 25.303 on RRC Connection Establishment Procedure	Nokia	4.3
R2-99867	CR 002 to 25.303 on RRC Connection Release Procedure	Nokia	4.3
R2-99868	CR to 25.303 on Cell Update and URA Update procedures	Nokia	4.3
R2-99869	CR 004 to 25.303 on removal of FFS in DSCH transmission example	Nokia	4.3
R2-99870	CR 005 to 25.303 on incorporation of DSCH transmission with one TFCI	Nokia	4.3

R2-99871	CR 011 to 25.303 on Editorial changes to 25.303 with respect to FAUSCH	Philips	9
R2-99872	LS on capability to limit power output of UE	TSG RAN WG4	4.4
R2-99873	LS on Parameters to be stored in the USIM	TSG SA WG2	4.4
R2-99874	LS answer to Overall Delay Budget within the Access Stratum Results and Requirements	TSG SA WG2	4.4
R2-99875	LS on Clarification of RAB Sub Flows concept and associated definitions	TSG SA WG2	4.4
R2-99876	Answer to the liaison on the time constraints on the execution of cryptographic algorithms	TSG SA WG2	4.4
R2-99877	Answer to LS on Interactions between Mobility Management and Radio Mobility	TSG SA WG2	4.4
R2-99878	Liaison Statement concerning the Iu network layer services for the packet domain	TSG SA WG2	4.4
R2-99879	Proposal for CR to 25.321 on support of variable-rate codecs	Nokia	10
R2-99880	UE controlled AMR mode adaptation	Nokia	9
R2-99881	UE-Id formats for MAC	Nokia	10
R2-99882	RLC reset procedure	Nokia	13, e-mail
R2-99883	Cell re-selection algorithm	Nokia	11
R2-99884	Cell Selection Process	Nokia	11
R2-99885	Secondary reporting quantities in measurement reports	Nokia	14.4, e-mail
R2-99886	Traffic volume measurement control on the BCCH	Nokia	14.3, e-mail
R2-99887	withdrawn	Nokia	withdrawn
R2-99888	Transition from DCH/DCH to RACH/FACH substate	Nokia	14.3, e-mail
R2-99889	withdrawn	Nokia	withdrawn
R2-99890	Update of 868 CR 003 to 25.303	Nokia	4.3
R2-99891	Update of 789 CR 002 to 25.321	Ericsson	4.3
R2-99892	CR 001 to 25.302 to make all sizes equal for a given Transport Channel per TTI	Ericsson	8
R2-99893	LS to WG1 on simultaneous AICH and FACH reception	Ericsson	16
R2-99894	Ciphering procedure	Telecom Modus	9
R2-99895	Outer loop power control	Telecom Modus	14
R2-99896	Answer to LS from WG3 on Ciphering mechanisms in case of multiple RABs	Vodafone Ltd	16
R2-99897	LS to T2 MeXE on Answer to LS on MExE support of handover notifications	Motorola	16
R2-99898	Answer to WG1 on Liaison Statement on Length of SFN	Motorola	16
R2-99899	LS to T3 CC S2/S3 on Parameters to be stored in the USIM	Nokia	16
R2-99900	LS to RAN CC SA on setting prioritie to frequencies for cell selection	Lucent Technologies	16
R2-99901	CPCH SYSINFO parameters	GBT	10, e-mail?
R2-99902	CPCH Backoff Parameters	GBT	10
R2-99903	Proposal for the usage of the tag field in SYSINFO message	Hyundai Electronics	14.4, H&E Wshop
R2-99904	CR 009 ro 25.302 after comments from RAN1	Nortel Networks	8

R2-99905	revised version of 765	LGIC	4.3
R2-99906	revised version of 767	LGIC	4.3
R2-99907	Proposed revision of 25.9224	Editor	5
R2-99908	revision of 769 CR 008 to 25.301	Bosch	7
R2-99909	CR 010 to 25.301 on ciphering vocabulary	Vodafone Ltd	7
R2-99910	Upper layer aspects of DPCCH gated Transmission	Samsung	6
R2-99911	CR 012 to 25.301 on TA for TDD	Siemens AG	7
R2-99912	Update of 719	Mannesmann Mobilfunk GmbH	4.2
R2-99913	Update of 838	Mannesmann Mobilfunk GmbH	7
R2-99914	Slow TPC	Telecom Modus	14
R2-99915	UE states in TDD	Siemens AG	9
R2-99916	rev of 905 CR 013 to 25.321	LGIC	4.3
R2-99917	rev of 770 CR 002 to 25.302	Interdigital	8
R2-99918	CR on 25.321 on multiple FACH for TDD	Interdigital	8
R2-99919	rev of 798 CR 003 to 25.302	GBT	8
R2-99920	Rev of 850 CR 004 to 25.302	Siemens AG	8
R2-99921	Rev of 855 CR 005 to 25.302	Siemens AG	8
R2-99922	Rev of 854 CR 006 to 25.302	Siemens AG	8
R2-99923	Rev of 865 CR 007 to 25.302	Siemens AG	8
R2-99924	CR on 25.331 on cipher key change procedure	Nortel Networks	14.1
R2-99925	Update of 766 CR 006 to 25.303	LGIC	4.3
R2-99926	CR to 25.302: Attributes of the semi-static part and coding terminology	Nokia	8
R2-99927	Proposal to start an email discussion on RRC ASN.1 definitions	Nokia	12.1
R2-99928	Update of (stage 1) location services requirements in 25.923	Nokia	12.3, e-mail
R2-99929	Suspension of DTCH transmission	Nokia	14.3, e-mail
R2-99930	RRC CONNECTION RE-ESTABLISHMENT message	Nokia	14.4, e-mail
R2-99931	HANDOVER COMMAND message	Nokia	14.4, e-mail
R2-99932	rev of 880 CR 008 to 25.303 on AMR mode control in UE	Nokia	9
R2-99933	rev of 830 CR 009 to 25.303 on model of RACH	Nortel Networks	9
R2-99934	rev of 772 and 773	Interdigital	4.3
R2-99935	rev of 776 CR 013 to 25.301	Interdigital	7
R2-99936	rev of 799 CR 011 to 25.321 on CPCH parameters	GBT	10
R2-99937	LS from WG4 on physical layer measurements	RAN WG4	4.4
R2-99938	Use of SDL in RAN WG2 specifications	Ericsson	12.1
R2-99939	CR to 25.321 on Random Access principles	Motorola	10

R2-99940	rev of 851 CR 012 to 25.321 on TA for TDD	Siemens AG	10
R2-99941	rev of 856 CR 003 to 25.321 on MAC header for TDD	Siemens AG	4.3
R2-99942	Proposed LS to RAN WG3 on AMR mode control of downlink transfer	Nokia	16
R2-99943	rev of 881 CR 010 to 25.231 on UE-Id in MAC header	Nokia	10
R2-99944	updated version of 810 on SYSINFO handling	Ericsson	14.1
R2-99945	update of 926	Nokia	8
R2-99946	Resolution of inconsistensies and editorial clarifications on 25.322	Editor	13
R2-99947	Proposed changes to 25.322: SDL diagrams	Siemens AG	13, e-mail
R2-99948	revision of 788 CR 001rev1 to 25.321	Ericsson	4.3
R2-99949	update of 832 CR 014 to 25.301 on ciphering principles	Nortel Networks	7
R2-99950	update of 915 CR 010 to 25.303 on introduction of TDD aspects in UE states	Siemens AG	9
R2-99951	proposed changes on 25.304 on DRX for FDD and TDD (rev of 853 and 760)	NTT DoCoMo	11
R2-99952	Proposed mechanism cell selection reselection	Nokia	11
R2-99953	rev of CR on	Philips	9
R2-99954	CR on 25.301 on RRC in DRNC	Siemens AG	7
R2-99955	CR on 25.321 on new logical channel Id	Siemens AG	10
R2-99956	CR on 25.303 on RRC signalling for USCH	Siemens AG	9
R2-99957	rev of R2-99771, R2-99778, R2-99779, R2-99780, R2-99860, R2-99861, R2-99862 and R2-99863	Interdigital/Siemens	14.4, e-mail
R2-99958	LS to WG4 on status of the work on PC issues	Alcatel	16
R2-99959	LS to WG1 on slow TPC	Telecom Modus	16
R2-99960	CR on 25.301 on RACH access principles	Motorola	7
R2-99961	Proposed LS to RAN1 on position of Paging opportunities	Ericsson	16
R2-99962	Proposed response to TSG-T2 on terminal capabilities	Motorola	16
R2-99963	Proposed response to RAN3 , RAN1 on status of the work on Timing Advance for TDD	Siemens AG	16
R2-99964	Proposed LS to RAN1 cc RAN3,RAN4 on status of the work on power control aspects	Alcatel	16
R2-99965	Proposed LS to RAN1 Liaison Statement from TSG RAN WG2 on USCH requirement for TDD	Siemens AG	16
R2-99966	Proposed LS to RAN3 on Overall Delay Budget within the Access Stratum Results and Requirements	T-Mobil	16
R2-99967	Proposed LS to TSG-T2 on Service Capabilities	Motorola	16
R2-99968	Proposed LS to RAN3 on status of the work on SMS-CB	Nokia	16
R2-99969	Proposed LS to RAN3 on status of the work on LCS	Nortel Networks	16
R2-99970	rev of 960 CR 015 to 25.301	Motorola	7
R2-99971	Proposed LS to RAN1 on status of the work on RACH model	Nortel Networks	16
R2-99972	rev of 945 CR 008 to 25.302	Nokia	8

R2-99973	liaison to TSG-T Mexe on Support of Handover Notification	RAN WG2	16
R2-99974	Liaison to RAN1 cc RAN3 on Length of SFN	RAN WG2	16
R2-99975	proposed liaison to TSG-T2 on baseline implementation capabilities	Ericsson	16
R2-99976	LS to TSG-T2 on the Response to liaison on service implementation capabilities	RAN WG2	16
R2-99977	rev of 913 CR 011 to 25.301	Mannesmann Mobilfunk GmbH	7
R2-99978	rev of 954 CR 016 to 25.301	Siemens AG	7
R2-99979	rev of 955 CR 004 to 25.321	Siemens AG	10
R2-99980	rev of 956 CR 012 to 25.303	Siemens AG	9
R2-99981	liaison statement to TSG RAN WG3 on the overall delay budget	RAN WG2	16
R2-99982	LS to RAN1 answering WG1's comments on 25.302	RAN WG2	16
R2-99983	LS to RAN WG3, SA WG3 response to LS on Ciphering mechanisms in case of multiple RABs	RAN WG2	16
R2-99984	LS to S2 cc T3,S3 on Parameters to be stored in the USIM	RAN WG2	16
R2-99985	LS to S1, SA, RAN on Use of Prioritising Channel Selection for Cell Selection Procedure	RAN WG2	16
R2-99986	LS ro RAN3 cc SA4 to clarify transmission of variable-rate codec mode commands on the Iu - interface	RAN WG2	16
R2-99987	LS to RAN WG4 cc RAN WG1 on status of the work on power control issues	RAN WG2	16
R2-99988	Liaison statement to RAN1 on Slow transmit power control	RAN WG2	16
R2-99989	Reply to LS from WG1cc R3, R4 on power control issues	RAN WG2	16
R2-99990	LS to RAN WG3 on SMS cell broadcast (report attached)	RAN WG2	16
R2-99991	LS to WG3 on status of the work on LCS	RAN WG2	16
R2-99992	LS to RAN1 on status of the work on RACH model	RAN WG2	16
R2-99993	Reply to RAN3 cc RAN1 on Liaison Statement on Timing Advance for TDD	RAN WG2	16
R2-99994	LS to RAN1 cc T2 on USCH requirement for TDD	RAN WG2	16
R2-99995	LS to RAN WG1 on paging occasions	RAN WG2	16
R2-99996	rev of 939 CR 006 to 25.321	Motorola	10
R2-99997	CR 005 to 25.321 Structure of the Annex to TS25.321	Siemens AG	10
R2-99998	liaison to TSG-T2 on baseline implementation capabilities	RAN WG2	16
R2-99999	Location method to be supported in release 99 specifications	Nortel Networks	12.3, e-mail
R2-99A00	Agenda RAN WG2 #7	Chairman	WG2 #7
R2-99A01	Draft minutes of the 3GPP TSG-RAN WG2 meeting #6 (16 – 20 August 99, Sophia Antipolis, France)	Secretary	WG2 #7
R2-99A02	Approved minutes of the 3GPP TSG-RAN WG2 meeting #6 (16 – 20 August 99, Sophia Antipolis, France)	Secretary	WG2 #7

Annex B: List of Change Requests TSG-RAN WG2 #6

TSG_	TSG_DOC	TSG_STATUS	SPEC	CR	SUBJECT
RP-05	R2-99803r1		25.301	004	Modification of C-RNTI definition
RP-05	R2-99804r1		25.301	005	Addition of integrity protection function on RRC
RP-05	R2-99805r1		25.301	006	Clarification on usage of CCCH vs. DCCH
RP-05	R2-99763r1		25.301	007	Removal of Quick repeat function from RLC
RP-05	R2-99908		25.301	008	Introduction of Packet Data Convergence Protocol (PDCP)
RP-05	R2-99800		25.301	009	Deletion of CPCH Annex
RP-05	R2-99909		25.301	010	Correction of Ciphering specification (editorial correction)
RP-05	R2-99977		25.301	011	Broadcast/Multicast functions
RP-05	R2-99911		25.301	012	Description of Timing Advance mechanism for TDD
RP-05	R2-99935		25.301	013	MAC primitives addition and modification (harmonization of TDD with FDD)
RP-05	R2-99949		25.301	014	Impact of two cipher key solution on multiplexing at RLC and MAC level
RP-05	R2-99970		25.301	015	Support of Different Access Service Classes (clarification of present text)
RP-05	R2-99978		25.301	016	Support of USCH/DSCH signalling (introduction of SHCCH, see TS 25.321)
RP-05	R2-99892		25.302	001	Equally sized Transport Blocks within a Transport Block Set
RP-05	R2-99917		25.302	002	UE simultaneous physical channel combinations for TDD
RP-05	R2-99919		25.302	003	CPCH primitives (addition of parameters for CPCH into existing primitives)
RP-05	R2-99920		25.302	004	Timing advance (TDD only)
RP-05	R2-99921		25.302	005	Measurements for TDD provided by physical layer
RP-05	R2-99922		25.302	006	Change of the Downlink model of the UE in relation to PCH
RP-05	R2-99923		25.302	007	Physical channels in TDD
RP-05	R2-99972		25.302	008	Attributes of the semi-static part and coding terminology
RP-05	R2-99904		25.302	009	Editorial changes following LS received from WG1
RP-05	R2-99866		25.303	001	RRC connection establishment procedure
RP-05	R2-99867		25.303	002	RRC Connection release procedure
RP-05	R2-99890		25.303	003	Cell update and URA update procedures
RP-05	R2-99869		25.303	004	Removal of FFS in DSCH transmission example
RP-05	R2-99870		25.303	005	Incorporation of DSCH transmission with one TFCI
RP-05	R2-99925		25.303	006	Dynamic Radio Access Bearer Control
RP-05	R2-99787		25.303	007	Transfer of system information
RP-05	R2-99932		25.303	008	UE controlled AMR mode adaptation
RP-05	R2-99933		25.303	009	Model of RACH procedures
RP-05	R2-99950	e-mail/WG2#7	25.303	010	UE states in TDD
RP-05	R2-99871		25.303	011	Editorial changes in some stated definitions involving FAUSCH
RP-05	R2-99980		25.303	012	Data transfer on shared channels in TDD
RP-05	R2-99948		25.321	001	Modified MAC handling of PCH and FACH
RP-05	R2-99891		25.321	002	Modifications of MAC primitives

RP-05	R2-99957	WG2#7	25.321	003	RACH/FACH MAC header – Channel type identification
RP-05	R2-99979	e-mail	25.321	004	Support for USCH/DSCH signalling in TDD
RP-05	R2-99997		25.321	005	Restructuring of Annex B (removing redundant information regarding CPCH)
RP-05	R2-99996		25.321	006	Clarification on RACH partitioning and prioritization via access service class (ASC) and relation to back-off algorithm
RP-05	R2-99	open	25.321	007	
RP-05	R2-99	open	25.321	008	
RP-05	R2-99	open	25.321	009	
RP-05	R2-99943		25.321	010	UE-Id formats for MAC (no CN assigned UE-Id on MAC)
RP-05	R2-99936		25.321	011	CPCH primitives
RP-05	R2-99940		25.321	012	Timing advance for TDD
RP-05	R2-99916		25.321	013	Traffic volume measurement report procedure

Annex C: List of Participants

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