TSG-RAN Working Group 1 meeting No. 6
July 13-16, Helsinki, Finland

TSGR1-781xxx/99

Agenda Item: **4**

Source: **Temporary Secretary**

Title: **Draft Minutes of 3GPP TSG RAN WG1 #5 Meeting (Cheju, Korea)**

Document for: **Approval**

_____

Meeting start: June, 1st
Day 1, start: 9.00, end: 9.30
Day 2, start: 9.15, end: 16.00
Day 3, start: 10.20, end: 17.30
Day 4, start: 8.00, end: 20.30

Day 1

1. Opening of the meeting

The chairman, Mr. Antti Toskala (Nokia), opened the meeting.

2. Approval of the agenda

Tdoc 535/99 (chairman): Proposed agenda
Conclusion:
- The agenda was approved without modifications.

3. Assignment of secretary

Mr. Frank Kowalewski (Bosch) was assigned as the temporary secretary for days 1-3.
Mr. Peter Mangold (Bosch) was assigned as the temporary secretary for day 4.

4. Report from the last TSG-RAN

Tdoc 596/99 (Chairman):
- Version handling:
    - 3.xx approved
    - 2.xx endorsed
    - 1.xx or 0.xx noted
    - change control after 3.xx

- WG4 is now responsible for link level results.
- The current status of the WG1 documents was reported.
- Inputs from CWTS have to be considered by WGs.
- WG4 should be informed on the new chip rate as soon as possible.
- TSG RAN noticed that there are inconsistencies between different WGs for release 99 in the following areas: USCH, CPCH, ARQ.

Discussion:
- It was clarified that the technical report on simulation results will be discarded from WG1.
- WG4 will be informed on the simulation report by the WG1 chairman.

Day 2

5. Reports of Day 1 Ad Hocs

5.1 Ad Hoc 6

Tdoc 563/99 (Ad Hoc 6 chairman): Ad Hoc #6 report to RAN WG1 meeting #5
Conclusions:
- The report was approved. The text proposal was accepted.

5.2 Ad Hoc 4

Tdoc 693/99 (Ad Hoc 4 chairman): Ad hoc #4 report
Discussion:
- It was commented that the additional investigations of the MIL interleaver mentioned at the end of sec. 2 are required because modifications might be needed if the number of slots is changed to 15 or the interleaver span is changed to 20ms.
Conclusion:
- The report was approved.

5.3 Ad Hoc 12

Tdoc 701/99 (Ad Hoc 12 chairman): Report from Ad Hoc 12
Conclusion:
- The report was approved.

5.4 Ad Hoc 5

Tdoc 697/99 (Ad Hoc 5 chairman): Report on Ad Hoc 5 Meeting Results
Discussion:
- It was clarified that the document number mentioned in the Trellis termination sec. should read 655 instead of 696.
- Concern was raised on meeting the time schedule for channel coding, in particular that of low data rates channel coding.
- It was asked by which ad hoc rate matching should to be dealt with. The ad hoc 5

chairman commented that only minor modifications to rate matching will be done by ad hoc 5.

Conclusion:
- The report was approved with the above mentioned modification.

5.5   Ad Hoc 14

Tdoc 688/99 (Ad Hoc 14 chairman): ad hoc 14 report
Discussion:
- It was remarked that the report does not include a comment on the required use of several CPCH signatures in the uplink.
- It was asked whether the CPCH really is a working assumption, as stated in the report. It was clarified that the CPCH is not a working assumption, since it is not yet approved by the plenary.

Conclusions:
- The report was approved.
- The comment on several CPCH signatures should be reflected in the second report.
- GBT should draft a text on the CPCH at this meeting for discussing it as a working assumption.

6.   Text proposals agreed by the Ad Hocs from Day 1

6.1   Ad Hoc 6

Tdoc 573/99 (TI): Additional results on SSC modulation to indicate STTD encoding of the PCCPCH
Discussion:
- It was asked how the symbol 'a' can be distinguished from a channel rotation. It was clarified that the PSCH will be used to detect the symbol.

Conclusion:
- The text proposals were accepted.

Tdoc 595/99 (Editor of 25.211): Text proposal for 25.211
Discussion:
- It was stated that option (a) of fig.2 will not be needed. It was decided to keep the entire figure until STD will be decided to be replaced.

Conclusions:
- The corrections were accepted.
- In addition, fig.6 in 25.211 should be updated according to fig.1 of Tdoc 595/99.
- The acronym 'MS' should be replaced by 'UE' in fig.A-1 of Tdoc 595/99.

Tdoc 572/99 (TI): Open loop downlink transmit diversity for TDD: STTD for TDD
Conclusion:
- Fig.7 in 25.211 should be replaced by fig.1 in Tdoc 572/99.

Tdoc 662/99 (NTT): Modified Multistage InterLeaver (MIL) for channel interleaving

Conclusion:
- The text was accepted with the following correction: in sec. 4.2.8. on p.3 '1st' should be replaced by '2nd' two times.

6.2   Ad Hoc 12

Tdoc 702/99 (Siemens, TI): Text Proposal for Generalised Hierarchical Golay Sequence for PSC
Discussion:
- It was questioned whether the detailed codes are required in this document.
- It was remarked that two descriptions of the codes are given in the text.
Conclusions:
- The text was accepted with the following modifications:
    - Inclusion of a WG1 note that the exact codes are to be given.
    - The terms 'Golay code' and 'Golay sequence' should be replaced by 'Golay complementary sequence'.
- The exact codes will later be moved to an annex.

Tdoc 704/99 (TI): Text proposal for Secondary Synchronization Codes (SSC)
Discussion:
- It was asked what impact a change of the number of slots might have. It was stated that the number of slots is not relevant here.
Conclusions:
- The text was accepted with the following modifications:
    - In the first line 'GHG' should be removed.
    - In line 4 'C_p' should be removed.
    - An editor's note should be added, that some information of the text proposal will be moved to an annex.

6.3   Ad Hoc 5

Tdoc 540/99 (NTT, Nortel): Updated text for Turbo code internal interleaver of 25.212, 25.222
Conclusion:
- The text was accepted.

Tdoc 549/99 (Nokia): Maximum turbo coding block size: text proposal
Conclusions:
- The maximum block size of 5120 bits was approved.
- 25.212 and 25.222 should be modified accordingly.

Tdoc 617/99 (Nokia): Text proposal to the algorithm for combining and segmentation of turbo encoder blocks (25.212)
Conclusion:
- The text was accepted.

Tdoc 705/99 (Ericsson): Convolutional code segmentation, revised

The presenter commented that the last bunch of formulas is incorrect:
In the third line 'SC' should be replaced by 'C'. Some indices of the first column of formulas have to be changed.
Discussion:
- It was stated that the text is not in line with shortened code blocks.
Conclusion:
- The text was not accepted.
- A new version should be generated.

6.4   Ad Hoc 4

Tdoc 703/99 (Siemens): Text Proposal for optimised puncturing scheme
Conclusion:
- The text was accepted.

6.5   Ad Hoc 14

Tdoc 597/99 (Nokia): DSCH and DCH operation in soft handover
Conclusion:
- The text was accepted.

Day 3

7.   Reports of Day 2 Ad Hocs

7.1   Ad Hoc 1

Tdoc 716/99 (Ad Hoc 1 chairwoman): Report from Ad Hoc #1: TDD
Conclusions:
- The report was approved with the following modification:
    - In the last but one sentence of the conclusion of sec.2.5 the words 'until the next WG1 meeting' should be removed.

7.2   Ad Hoc 7

Tdoc 711/99 (Ad Hoc 7 chairman): Ad Hoc #7 report to RAN WG1 meeting #5: Slot structure
Discussion:
- It was clarified that Ericsson did not point out 'that the pilot patterns in uplink DPCH cannot be used to detect out-of-sync status in the case of long scrambling codes' as stated in the report at the beginning of sec.2.2.
- In contrast to the second par. of sec.2.2 Ericsson states that there *is* a need for synchronisation.
Conclusions:
- The report and the text proposals were approved.

7.3 Ad Hoc 4

Tdoc 723/99 (Ad Hoc 4 chairman): Second ad hoc #4 meeting report
Conclusions:
- The report was approved.
- Nortel should draft a liaison statement to the speech coding WG on the need of dynamic rate matching in the downlink.
- Nortel should also discuss with handover experts whether the A2 compressed mode should be kept.

7.4 Ad Hoc 10

Tdoc 726/99 (Ad Hoc 10 chairman): Ad hoc #10 report
Discussion:
- It was clarified that point 2 of sec.3 (SF 4 when multi code transmission) is a working assumption but should be verified.
- The multi code SF will be added in the study items document.
Conclusion:
- The report was approved.

8. Text proposals agreed by the Ad Hocs from Day 2

8.1 Ad Hoc 7

Tdoc 700(rev)/99 (LGIC): Text Proposal for 25.214 (Frame synchronization confirmation) (Revised)
Conclusion:
- The text was accepted.

Tdoc 550/99 (LGIC): Text Proposal of Pilot Pattern for Downlink Channels
Conclusion:
- The text was accepted.

8.2 Ad Hoc 4

Tdoc 637/99 (Ericsson): Text proposal for TS 25.212
Conclusions:
- The text was accepted with the following modifications:
    - Ericsson's note in sec. 4.2 should not be included.
    - A note should be given under sec.4.2 that a sec. on frame synchronization is to be included.

Tdoc 720/99 (Ericsson): First Multiplexing, revised
Discussion:
- It was clarified that the transport blocks of sec.4.2.2 do include CRCs.
Conclusions:

- The text was accepted with the following modification:
    - The end of the second but last sentence of the first par. of sec.4.2.2 should be replaced by '... and the number of bits in each transport block including CRC bit by K.'

Tdoc 721/99 (Ericsson): UEP and its implications on channel coding rates
Discussion:
- It was asked whether there is any rule when to use rate ½ or 1/3 coding. It was commented that up to now there is no rule and that the rules have to be done by higher layers. Tdoc 681/99 is a liaison statement from WG2 on this issue.
Conclusion:
- The text was accepted.

Tdoc 722/99 (Ericsson): CRC calculation, revised
Conclusion:
- The text was accepted.

8.3   Ad Hoc 1

Tdoc 611/99 (Siemens): TFCI Coding Proposal for UTRA TDD
Conclusion:
- The text was accepted with the following addition:
    - In sec.6.3.1.3 a WG1 note should be added that confirming simulation results should be given.

Tdoc 718/99 (Siemens): Revised textproposal for a PCH structure in TDD
Discussion:
- It was clarified that the PI design is sufficient.
- It was clarified that the interleaving depth of paging information is two frames at most.
- The chairman confirmed that ad hoc recommendations (like e.g. the CWTS chip rate) will be reported to RAN by himself.
Conclusion:
- The text will be accepted if there are no concerns until the next meeting.

8.4   Ad Hoc 10

Tdoc 587/99 (Nokia): Text proposal for uplink long scrambling codes
Conclusion:
- The text was accepted.

Tdoc 588/99 (Nokia): Text proposal for downlink scrambling code phase shift parameter
Conclusion:
- The text was accepted.

Tdoc 724/99 (Ericsson): Multiple scrambling codes

Discussion:
- Regarding the range of code indices in sec. 5.2.2 it was clarified that there are 512 code sets with 511 codes in each set.

Conclusion:
- The text was approved with alignments to Tdoc 588/99.

Tdoc 620/99 (Motorola): FDD Uplink OVSF Code Choice
Discussion:
- It was confirmed that up to only two codes should be used in a multi code environment.

Conclusions:
- The document will be discussed in detail over the reflector.
- The text proposal will be dealt with at the next meeting.

9.   New contribution not handled by the Ad Hocs

Tdoc 604/99 (Ericsson): Proposal for a modified PCH structure, revised
Discussion:
- It was asked whether 4 symbols are sufficient for the PI. The proponents stated that it is sufficient.
- It was clarified that messages for more than one UE can be sent at the same time like in GSM.
- It was clarified that the time between indicator and message part has to be specified such that the UE listening to the last indicator part will be able to switch to the message part fast enough.
- It was realised that the power offset between AICH and PI can't be specified since the power of the AICH is not yet clear.
- The proposal was supported by several companies.
- Further work was encouraged on the new proposal rather than the current one.

Conclusions:
- The separation of indicator and message part was agreed as a working assumption.
- A more detailed proposal should be discussed at the next meeting.

10.   Liaison statements received for the meeting No. 4 & 5 from other groups and actions to produce answers to them. Review of answers produced by the Ad Hocs.

Tdoc 668/99 (TSG RAN WG2): LS on feasibility of AICH NACK to RACH Message Part and feasibility for UE to listen to AICH and FACH simultaneously, **incoming**
Conclusion:
- To be discussed by Ad Hoc 3.

Tdoc 732/99 (TSG RAN WG2): Liaison Statement on RACH Payload Requirement, **incoming**
Conclusion:

- To be discussed by Ad Hoc 3

Tdoc 727/99 (TSG RAN WG2): Reply to the Liaison Statement from TSG RAN WG1 on FACH rates, **incoming**
Discussion:
- It was commented that the 'full range of spreading 512 to 8' as stated in the text is incorrect.
- It was clarified that the reasoning behind indicating the need for multiple FACHs in a cell is to make clear that the minimum rate might be used by one FACH for control information. Simultaneously higher rates might be needed by another FACH for other services.
Conclusion:
- This paper has already been discussed by Ad Hoc 7

Tdoc 728/99 (TSG RAN WG2): Reply to liaison sent on Access Cell Selection, **incoming**
Conclusion:
- Feedback to this LS will be given when decisions have been made on the issue.

Tdoc 729/99 (TSG RAN WG2): Reply to the liaison statement sent on "Monitoring of UTRA FDD cells", **incoming**
Conclusion:
- No immediate answer is required.

Tdoc 681/99 (TSG RAN WG2): LS to WG1 with 25.302 v2.1.0, **incoming**
Discussion:
- It was commented that WG2 would like to know whether the UE is capable of receiving BCCH and DCH simultaneously.
Conclusion:
- An answer will be given tomorrow when dealing with Tdoc R2-330/99.

Tdoc 682/99 (TSG RAN WG2): LS on Tx diversity, **incoming**
Conclusion:
- The LS has been dealt with by Ad Hoc 6.

Tdoc 733/99 (TSG RAN WG2): Liaison Statement on DRX, **incoming**
Conclusion:
- No conclusion by this meeting.

Tdoc 734/99 (TSG RAN WG2): LS from WG2 to WG3: Reply to liaison statement from RAN WG3 on Hybrid ARQ Type II/III, **incoming**
Conclusions:
- WG1 noted that HARQ is not in release 99.
- The LS is in line with the current WG1 status.

Tdoc 482/99 (TSG RAN WG2): Response to Liaison Statement from TSG RAN WG1 on Random Access Channel Payload, **incoming**

Conclusion:
- To be dealt with by Ad Hoc 3.

Tdoc 725/99 (TSG RAN WG1): LS on Physical Layer Baseline Implementation Capabilities to T2, **outgoing**
Discussion:
- It was commented that in GSM baseline capabilities are also defined. But they are somewhat different.
Conclusion:
- The LS was approved.

Day 4

11. Reports of Day 3 Ad Hocs

11.1 Ad Hoc 5

Tdoc 741/99 (Ad Hoc 5 chairman): Ad Hoc5 report
Discussion:
- Comment (Ericsson): Maximum number of coding blocks in 10ms was only an example for requirements.
- Minute note: In the section dealing with Turbo coding for low data rates it is stated that the turbo code shows a performance advantage from frame sizes larger than 40 bits. This statement is not proven since the resolution of available simulation results in Tdoc 736 is not sufficient. The information given is: Turbo code advantages at 80 bits, disadvantage at 40 bits.
Conclusion:
- The Ad Hoc report was approved with minute note.

11.2 Ad Hoc 14

Tdoc 753/99 (Ad Hoc 14 chairman): Ad Hoc14 report
Discussion:
- Comment (Qualcom): Related to Tdoc 680: Other parameters have to be defined before selections of the number of signatures. GBT should provide a text proposal for 25.214 on procedures
Conclusion:
- The Ad Hoc report was approved

11.3 Ad Hoc 3

Tdoc 742/99 (Ad Hoc 3 chairman): Ad Hoc3 report
Conclusions:
- The Ad Hoc report was approved
- Detailed text proposals are expected for the next meeting
- Editors notes should reflect the current working assumptions in the specifications for RAN presentation. (as WG1 note 'It has been agreed that long code spreading is

used with BPSK modulation'; 'Also differential signatures supported.')

11.4 Ad Hoc 9

Tdoc 752/99 (Ad Hoc 9 chairman): Ad Hoc9 report
Discussion:
- Comment (Nokia): Agreement on minimum step sizes not correctly reflected. Should be 1 dB or 0.5 dB.
- Comment (Alcatel): Two minor editorial changes.
Conclusion:
- Ad Hoc report was approved with changes made.

12. Text proposals agreed by the Ad Hocs from Day 3

Tdoc 645/99 (Ericsson): Text proposal for AICH
Conclusions:
- Comment: Figure 2 should be indicated as an example.
- The text proposal was approved.

Tdoc 719/99 (Ericsson): Convolutional code segmentation, revision 2
Discussion:
- Comment: Should be valid for FDD and TDD.
Conclusion:
- The text proposal was approved.

Tdoc 735/99 (Samsung, NTT, Nortel): Agreement of incorporating PIL modification into 25.212, 25.222
Conclusion:
- The text proposal was approved.

Tdoc 756/99 (Nokia, Ericsson): Channel coding scheme assignment in L1
Conclusion:
- The text proposal was approved.

Tdoc 657/99 (Nec, T-Modus): Change request of the text proposal regarding SSDT in S25.211 and S25.214
Conclusion:
- The text proposal was approved.

Tdoc 564/99 (Motorola): Initial Synchronization of the DCH for Packet Data
Discussion:
- Comment (Ericsson): Text is too descriptive for a specification.
Conclusion:
- Approval of new version is expected at the next meeting.

Tdoc 757/99 (GBT): Revised text proposal for CPCH

Conclusion:
- The text proposal was approved.

Tdoc 743/99 (Ericsson): Text proposal for Paging Structure
Conclusions:
- Correction in Figure 1: 20 symbols (1.25 ms)
- Text proposal was approved with one correction.

Tdoc 713/99 (Drafting Group): Proposals for change 25.211 to include conclusions from Ad Hoc 4 on the CCTrCHs
Discussion:
- Comment (Ericsson): Not all the text should go to 25.211.
- Reply (Nortel): We not agree on this comment.
Conclusion:
- The text proposal was approved with some minor online corrections.

Tdoc 590/99 (Nokia): The use of Multiple Radio Links (CCTrCHs)
Conclusions:
- Two editors notes to be added: 'The text needs to be updated to get rid of duplications with 25.211, 25.214.'; 'The DL is ffs.'
- Text proposal was approved with two additional editors notes.

Tdoc 600/99 (Editor): Proposed changes to 25.213 v2.01
Conclusion:
- The text proposal was approved.

Tdoc 605/99 (Editor): Proposed changes to TS 25.201 V2.0.0
Discussion:
- Comment: Use 'UTRA airradio interface' instead of 'radio air interface'.
Conclusion:
- The text proposal was approved with the above mentioned editorial change.

13.   Liaison statements

Tdoc 739/99 (TSG RAN WG1): Reply on liaison statement to RAN WG2 on DSCH, **outgoing**
Discussion:
- DSCH control channel and PSCCH not for release 99.
Conclusion:
- The LS was approved
- The editors of the specification documents should note that the above mentioned items are not for release 99.

Tdoc 740/99 (TSG RAN WG1): Reply on FACH to WG2, **outgoing**
Conclusions:
- Comment: Source should be WG1.
- New number is 754 (only for CD ROM).

- The LS was approved.

Tdoc 755/99 (TSG RAN WG2): LS from WG2 to WG3 on the possibility of having multicarrier cells, **incoming**
Discussion:
- Comment (CSELT): We should solve the problems to distribute LS correctly. (Problem of having no permanent secretary. Fredrik Ovesjo (Ericsson) volunteered to collects all LS for sending.)
- Several issues that need clarification were identified during the discussion:
    - Definition of cells must be reviewed.
    - Issue of measurements accuracy if carriers a far separate in different bands.
    - Issue of signalling (WG2).
    - Interfrequency HO needed to listen to BCH ?
    - Issue of a possible BCH capacity problem.
    - What is the current assumption in WG1 ?
Conclusions:
- WG1 impact should be studied further.
- Problems will be reported to RAN to clarify current assumptions.

Tdoc 758/99 (TSG RAN WG1): Reply on liaison statement on RACH Payload requirements, **outgoing**
Conclusion:
- The LS was approved.

Tdoc 562/99 (TSG RAN WG1): Draft liaison statement to TSG-R WG2 as a reply to questions submitted to TSG-R WG1 on Tx diversity issues, **outgoing**
Discussion:
- Comment (Ericsson): Does frame mean radio frame?
- Reply (Nokia): Here it means 2 radio frames.
- Comment (Ericsson): Do we need this information so often ?
- Reply (Nokia): A small loss in performance will occur otherwise.
Conclusion:
- The LS was approved with minor change as Tdoc 773

Tdoc 764/99 (TSG RAN WG1): Draft liaison statement to WG4 on power control minimum step sizes, **outgoing**
Conclusion:
- The LS was approved with some online changes as Tdoc 774.

Tdoc 762/99 (TSG RAN WG1): Liaison from Ran Wg1 to TG SA WG4 on speech services, **outgoing**
Discussion:
- No consensus could be reached in the plenary.
Conclusion:
- New version should be provided after further discussion via email.

Tdoc 730/99 (TSG RAN WG4): Liasion statement on monitoring of UTRA FDD cells,

incoming

Conclusion:
- No such activity in this meeting

Tdoc 731/99 (TSG RAN WG4): Liasion to WG1 in Link Level Simulations, **incoming**
Conclusion:
- Interested companies should subscribe to the WG4 simulations reflector.

14. **Report on the 25.2xx documents produced by the editors based on the text proposals approved in the meeting. Version approval for RAN submission.**

Tdoc 744/99 (Editor): 25.201 (2.0.1) Physical layer – general description
Conclusion:
- Document was approved as version 2.1.0 (Tdoc 771)

Tdoc 745/99 (Editor): 25.211 (2.0.1) Transport channels and physical channels (FDD)
Discussion:
- Comment (Interdigital): In section 5.2.2.1.2 add the note: 'Additional set of signatures has been agreed in WG1.'
- Comment (Nokia): Delete one row in table 8.
- Section 7 should be a subsection of 6.
Conclusion:
- Document was approved with changes as version 2.1.0 (Tdoc 767)

Tdoc 746/99 (Editor): 25.212 (1.0.1) Multiplexing and channel coding (FDD)
Discussion:
- Comment (Nortel): Add to 4.2.13.1, second bullet point: 'DL for further study'
- Status of the SCCC is clarified with a note: '4-state SCCC is not included in Release-99. *It needs to be clarified from TSG-SA what are the service specifications with respect to different quality of services. The performance below BER of 10^{-6} need to be studied if there is a requirement for this quality of services of physical layer.'*
- Comment (Nokia): Figure A-1: Add:'Note: CRC to be moved the end of the data block'
Conclusion:
- Document was approved with changes as version 1.1.0 (Tdoc 763).

Tdoc 747/99 (Editor): 25.213 (2.0.2) Spreading and modulation (FDD)
Conclusion:
- Document was approved with some minor changes as version 2.1.0 (Tdoc 765).

Tdoc 748/99 (748): 25.214 (1.0.1) Physical layer procedures (FDD)
Discussion:
- Comment (Nokia): In 5.2.3.2: Note: 'DL PC minimum step size 1.0 is mandatory, 0.5 is optional.'
- Comment (Telia): In 5.1.2.2.1: Reference to S1.11 to be removed.

- Comment (Nortel): In 5.1.2.2.1: Note:' A minimum PC step size of 1 dB is mandatory. Smaller step sizes are ffs. Their support won't be optional'. Remove: 'in the region of 0.25-1.5 dB' and the editors note.

Conclusion:
- Document was approved with changes as version 1.1.0 (Tdoc 766).

Tdoc 749/99 (Editor): 25.221 (1.0.1) Transport channels and physical channels (TDD)
Conclusion:
- Document was approved as version 1.1.0 (Tdoc 768).

Tdoc 750/99 (Editor): 25.222 (1.0.1) Multiplexing and channel coding (TDD)
Discussion:
- Comment (Siemens): In 6.2.5 remove 'On the uplink'
Conclusion:
- Document was approved with changes as version 1.1.0 (Tdoc 769).

Tdoc 751/99 (Editor): 25.223 (2.0.2) Spreading and modulation (TDD)
Discussion:
- Comment (Nokia): The code generation is not defined in detail.
Conclusion:
- Document was approved as version 2.1.0 (Tdoc 770).

Tdoc 642/99 (Editor): Proposal for modification of 25.231, version 0.2.0
Discussion:
- Clarification: UE should not be in control of HO procedures, the network should be.
Conclusion:
- Document was approved as version 0.3.0 (Tdoc 772).

25.224 (1.0.~~1~~0) Physical layer procedures (TDD)
- no change

15.   New contribution not handled by the Ad Hocs

Tdoc 346/99 (Ericsson): Recapitulation of the IPDL positioning method
Discussion:
- The document was shortly discussed in the meeting.
Conclusion:
- No conclusions, detailed further discussion needed via Email

16.   Milestone evaluation:

Ad Hoc5 asked for guidance of the plenary if further effort on Low data rate Turbo coding is supported.
- Comment (Nokia): Status already given in Ad Hoc5.
- Further work could be done but not aiming at release 99.

17. Approval of the minutes of the last meeting

Tdoc 653/99 (Temporary Secretary): Minutes of 3GPP/RAN/WG1#4 meeting (Shin Yokohama, Japan)
<u>Conclusion</u>:
- Document was approved with a minor editorial change as Tdoc 760/99.

18. Harmonisation process

Tdoc 738/99 (Operators Harmonization Group): Open Letter to Standard Organisations From Operators Harmonisation Group on Global 3G (GCG) CDMA Standard
<u>Discussion</u>:
- Comment (CSELT): The changes should be minimised for 3GPP
<u>Conclusion</u>:
- There will be no changes to the specification documents until RAN endorsement

Tdoc 677/99 (Alcatel et al.): Impact of OHG harmonization recommendation on UTRA/FDD and UTRA/TDD
<u>Discussion</u>:
- Comment (Nortel): Tdoc 761 is available for additional information.
<u>Conclusions</u>:
- Document should be forwarded to RAN for information. Document source will be WG1 with note that this is the way we would proceed assuming a positive RAN decision.
- The necessary changes should be made as soon as possible if RAN has approved the harmonisation.
- The new Ad Hoc15 would be in charge of studying the impact and should start now but there should be no text proposals before RAN approvement. Ad Hoc leader till next meeting: Mr.Antti Toskala.

19. Coming meetings

13.-16.07.	Nokia
31.08-3.09.	Bosch
12-15.10.	tbd
30.11-3.12.	Mannesmann