

**Agenda item:** Reports of Adhocs  
**Source:** Ad Hoc #21 chair  
**Title:** Report from Ad Hoc #21: 1.28 Mcps TDD  
**Document for:** Approval

## **1 Introduction**

Ad hoc #21 meeting on 1.28 Mcps TDD took place on February 27, 2001.

Starting Time: 19:40  
End Time: 21:30

## **2 Discussion of Contributions**

In the following, the discussion and the conclusions on the presented documents are given:

### ***2.1 Updated working (final) CRs based on the latest spec version***

**Tdoc R1-01-0221, CR for TS25.221, Siemens/CATT/CWTS**  
**Tdoc R1-01-0222, CR for TS25.222, Siemens/CATT/CWTS**  
**Tdoc R1-01-0223, CR for TS25.223, Siemens/CATT/CWTS**  
**Tdoc R1-01-0224, CR for TS25.224, Siemens/CATT/CWTS**  
**Tdoc R1-01-0225, CR for TS25.225, Siemens/CATT/CWTS**

No discussion.

Conclusion:

It was agreed that these CRs shall serve as the basis for inclusion of the new contributions, see below.

### ***2.2 Update of technical report TR25.928***

**Tdoc R1-01-0219, TR 25.928, 1.28Mcps functionality for UTRA TDD Physical Layer – Update of the TR version 1.1.0 according to recent modifications with respect to the version from 07/2000 ,Siemens/CATT**

No Discussion

Conclusion: The text proposal was agreed. An updated version of this TR, including all necessary changes according to the contributions discussed below, shall be presented to RAN1 for approval as version 2.0.0 and submission to RAN#11. For presentation to RAN1 the introducing page should be removed.

### ***2.3 LS on 1.28 Mcps TDD physical channel combinations***

**Tdoc R1-01-0321, LS on Physical Channels Combinations for 1.28 Mcps TDD, RAN WG2**

No Discussion

Conclusion: The LS was noted. Since the CR is in line with the comments on the RAN1 reflector, and it was sent for information only, no action should be taken.

## **2.4 Contribution on the final CRs for 1.28 Mcps TDD**

### **Tdoc R1-01-0220, CR for TS25.201 ,CWTS/CATT**

Discussion:

- The reference to TR25.928 will be removed, as discussed on the reflector
- The term closed loop PC should be replaced by inner loop PC
- The terms of open loop and closed loop for UL synchronisation Control were unclear. They are not used in the current description of the UL Sync procedure.

Conclusion: The CR was agreed with the first two modifications, see above. For the last bullet item, clarification will be given in an updated version of the UL sync procedure, see discussion of Tdoc R1-01-0233 below.

### **Tdoc R1-01-0213, UL Out-of-Synchronisation Control and the Power of S-CCPCH/PICH in 1.28 Mcps, CWTS/CATT**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.224.

### **Tdoc R1-01-0161, Transmission of SS , Siemens**

Discussion:

- In offline discussions before the meeting it had been clarified already that the maximum deviation of different time slots from the average TA value due to independent time slot control should not be mandated to be more than 3 chips instead of 5 chips as proposed.
- The term 'traffic burst' should be crosschecked with the rest of the specification. Also it should be checked if there has been a decision in a former meeting to replace this term by 'normal burst'.

Conclusion: With the first modification the text proposal was agreed to be included in the final CR for TS25.221.

### **Tdoc R1-01-0233, UL Synchronisation / Timing Advance, Siemens**

Discussion:

- For the section on 'Out-of-Synchronisation' Handling, a reference to the wideband-part should replace the text, because the text is exactly the same.
- Two sentences in the UpPCH section and in the DPCH/PDSCH section should be added to clarify the meaning of 'open loop' and 'closed loop' UL sync.
- Restructuring is needed. General limits should be described first, than the establishment procedure and at last the specific procedure for the individual channels.
- In section 5.2.1.1 the term 'UTRAN' should be replaced by 'NodeB'.
- In general the wording should be improved.

Conclusion: Due to the amount of proposed changes, a new text proposal for the working CR should be drafted. This should then be discussed in the plenary.

### **Tdoc R1-01-0334, RACH procedure, Siemens**

Discussion: The section on UE timing for PRACH should be removed because this is already described in the UL sync procedure. A corresponding reference should be added instead.

Conclusion: With the above modification the text proposal was agreed to be included in the final CR for TS25.224.

### **Tdoc R1-01-0212, CCPCH Multiframe Structure, CWTS/CATT**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.221.

### **Tdoc R1-01-0235, USCH/DSCH, CWTS/CATT**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.221.

**Tdoc R1-01-0255, Coding Examples for TR25.944, Siemens**

Discussion: No

Conclusion: The CR was agreed.

**Tdoc R1-01-0257, Revision of PICH, Siemens**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.221.

**Tdoc R1-01-0236, PCH and PCH/PICH association, CWTS/CATT**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.221.

**Tdoc R1-01-0214, GSM monitoring, CATT/CWTS**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.225.

**Tdoc R1-01-0326, Propagation Delay Measurement, Samsung**

Discussion: No

Conclusion: The text proposal was agreed to be included in the final CR for TS25.225.

### 3 Summary

For RAN#11 submission, AdHoc 21 recommends to RAN1 the approval of the following CRs for 1.28 Mcps TDD, according to the conclusions above.

**TS25.201 (updated version in R1-01-0377):**

Tdoc R1-01-0220, CR for TS25.201, CWTS/CATT (with modifications)

**TS25.221 (updated version in R1-01-0371):**

Tdoc R1-01-0221, CR for TS25.221, Siemens/CATT/CWTS (without modifications)

Tdoc R1-01-0161, Transmission of SS , Siemens (with modifications)

Tdoc R1-01-0212, CCPCH Multiframe Structure, CWTS/CATT (without modifications)

Tdoc R1-01-0235, USCH/DSCH, CWTS/CATT (without modifications)

Tdoc R1-01-0257, Revision of PICH, Siemens (without modifications)

Tdoc R1-01-0236, PCH and PCH/PICH association, CWTS/CATT (without modifications)

**TS25.222 (updated version in R1-01-0372)**

Tdoc R1-01-0222, CR for TS25.222, Siemens/CATT/CWTS (without modifications)

**TS25.223 (updated version in R1-01-0373)**

Tdoc R1-01-0223, CR for TS25.223, Siemens/CATT/CWTS (without modifications)

**TS25.224 (updated version in R1-01-0374):**

Tdoc R1-01-0224, CR for TS25.224, Siemens/CATT/CWTS (without modifications)

Tdoc R1-01-0334, RACH procedure, Siemens (with modifications)

Tdoc R1-01-0213, UL Out-of-Synchronisation Control and the Power of S-CCPCH/PICH in 1.28 Mcps, CWTS/CATT (without modifications)

Tdoc R1-01-0369, Update of UL Synchronisation / Timing Advance, Siemens (to be presented in plenary before agreement on inclusion in the CR)

**TS25.225 (updated version in R1-01-0375):**

Tdoc R1-01-0225, CR for TS25.225, Siemens/CATT/CWTS (without modifications)

Tdoc R1-01-0214, GSM monitoring, CATT/CWTS (without modifications)

Tdoc R1-01-0326, Propagation Delay Measurement, Samsung (without modifications)

**TR25.944 (no update necessary, R1-01-0255):**

Tdoc R1-01-0255, Coding Examples for TR25.944, Siemens (without modifications)

Furthermore, AdHoc 21 recommends to RAN1 to approve the TR25.928 on 1.28 Mcps TDD as version 2.0.0 for submission to RAN#11, according to the conclusions above. The update is included in R1-01-0376.