TSG-RAN meeting #3
Yokohama, Japan
April 21-23, 1999

TSG RAN#3(99)273

Agenda Item:

Source: **RAN WG1 Chairman**

Title: **Agreed updated TSG RAN WG1 work plan**

Document for: Information

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1 Introduction

This document contains the updated agreed work plan for WG1.

2 Milestones

For each specification document three milestones are set up, corresponding to finalisation and approval of main versions of the document. The first milestone is when the draft specification document is first approved by the TSG RAN in April. The second milestone is when the more stable specification document covering all issues within the scope of the document is approved by TSG RAN. The third milestone is the final specification in end of 1999, i.e. the "Release 99". Before the third milestone, the different specification documents can be approved by the TSG RAN more than one time, depending on the document's status. In Release 99, the version numbers will probably be aligned.

2.1 Specification document version numbering

The specifications in the work plan are version numbered according to a three digit numbering system. The first digit is increased when a new version is approved by TSG RAN. The second digit is increased when a new version is approved by WG1. The last digit is raised after every new version released by the editor provided that the new version is not of any of the previously mentioned types. For example, version V0.0.1 is the first version of the specification created by the editor. Version V0.1.0 is the first version approved by WG1 and V1.0.0 is the first version approved by TSG RAN (i.e. corresponds to the first milestone).

3 Work and milestone plan

For each specification document several tasks can be identified, each of which has to be finished before the whole specification document can be approved. An example of a task is "physical channel timing relationship" in the "Transport channels and physical channels" specification document. In the work plan, some tasks are scheduled to end during the first part of the year. This does not mean that such a part of the specification cannot be changed later during the year if there are very good reasons for doing so, but the main work effort should be put on the specific item up to the task deadline, so that that specification part can be viewed as stable.

In general, TDD is behind FDD, but work on the TDD mode may benefit from the FDD discussions and copying/altering FDD solutions.

The proposed work plans are found in the tables below, where the following symbols are used:
1   Version 1.0.0 of the document approved, for the draft specification in April (milestone 1)
2   Document covering all the issues within its scope approved by RAN TSG (milestone 2)
3   Release 99 of the document approved (milestone 3)
X   Task finalised, i.e. no more work is expected on this topic.

Specification and tasks	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
S1.01 – Physical layer general description				1						2		3
• FDD parts							X					
• TDD parts										X		
S1.02 – UE capabilities				1						2		3
• FDD parts						X						
• TDD parts										X		
S1.31 – Measurements				1						2		3
• Measurements in idle mode						X						
• Measurements in connected mode (FDD)							X					
• Radio link measurements (FDD)							X					
• Measurements in connected mode (TDD)								X				
• Radio link measurements (TDD)								X				

Table 1: Work plan, general WG1 specifications.

Specification and tasks	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
S1.11 – Transport channels and physical channels (FDD)				1					2			3
• Transport channels definition				X								
• Physical channels definition					X							
• Mapping						X						
• Timing relationship between physical channels							X					
S1.12 – Multiplexing and channel coding (FDD)				1					2			3
• Multiplexing scheme				X								
• Multiplexing limitations					X							
• Channel coding				X								
• Channel interleavers					X							
S1.13 – Spreading and modulation (FDD)				1				2				3
• Channelization and scrambling				X								
• RACH preamble codes					X							
• Synchronization codes				X								
• Modulation					X							
S1.14 – Physical layer procedures (FDD)				1				2				3
• Power control							X					
• SSDT							X					
• Synchonization				X								
• Random access						X						
• Feedback mode transmit diversity				X								
• Paging						X						

Table 2: Work plan, FDD mode WG1 specifications.

Specification and tasks	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
S1.21 – Transport channels and physical channels (TDD)				1						2		3
• Transport channels definition					X							
• Physical channels definition, mapping and slot format							X					
• Mapping								X				
• Timing relationship between physical channels							X					
S1.22 – Multiplexing and channel coding (TDD)				1						2		3
• Multiplexing scheme						X						
• Multiplexing limitations						X						
• Channel coding					X							
• Channel interleavers						X						
S1.23 – Spreading and modulation (TDD)				1				2				3
• Data modulation					X							
• Spreading						X						
S1.24 – Physical layer procedures (TDD)				1						2		3
• BS synchronisation						X						
• DCA								X				
• Timing advance					X							
• Power control								X				
• Idle mode tasks								X				

Table 3: Work plan, TDD mode WG1 specifications.