

Status Report for WI to TSG

Study Item Name: Optimisation of channelisation code utilisation for TDD

SOURCE: Rapporteur (Nicholas Anderson, IPWireless)

TSG: RAN **WG:** 1

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Ref. to WI sheet: RAN_Work_Items.doc

Progress Report since the last TSG (for all involved WGs):

RAN WG1 #38bis – WI not scheduled on agenda

RAN WG1 #39 – two documents submitted and treated:

- 3.84 Mcps TDD: R1-041402: Proposal for removal of the need for a downlink associated DPCH when operating HSDPA for data-only users including a full set of draft CR's for RAN WG1 specifications. General principle agreed. Some further work is required to fine-tune in/out of sync procedures within RAN WG1.
- 1.28 Mcps TDD: R1-041403: Proposal for removal of the need for a downlink associated DPCH when operating HSDPA for data-only users and migrating necessary physical layer control signalling onto a common channel. Based upon comments from one company, further work is required to investigate the power efficiency of the proposed scheme for 1.28Mcps TDD.

RAN WG2 #45 – one document submitted (but not treated):

- 3.84 Mcps TDD: R2-042394: Proposal for removal of the need for a downlink associated DPCH when operating HSDPA for data-only users including draft CR's for 25.331 and 25.302 RAN WG2 specifications. This WI was not allocated time within the meeting for presentation.

List of Completed elements (for complex work items):

3.84Mcps TDD:

- General physical layer aspects
- Set of draft CR's presented to RAN WG1

1.28Mcps TDD:

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List of open issues:

- 3.84 Mcps TDD:
 - o specification of in/out sync procedure within RAN WG1
 - o treatment of submitted draft CR's in RAN WG2
- 1.28 Mcps TDD:
 - o agreement pending as to whether the common signalling channel approach is the preferred way forward
 - o introduction of the new physical channel (if agreement above reached)

Estimates of the level of completion (when possible):

- 3.84 Mcps TDD: 90%
- 1.28 Mcps TDD: 30%

WI completion date review resulting from the discussion at the working group:

- 3.84 Mcps TDD: RAN WG1 consider it feasible to complete any outstanding work for 3.84Mcps in time for RAN#27 (March 2005) and request that the completion date is moved accordingly. It is hoped that this date can still accommodate completion within Rel-6.
- 1.28 Mcps TDD: RAN WG1 estimate that although considerably more work is required for the 1.28Mcps component of the WI, it may be feasible to also meet a completion date of RAN#27 (Mar 2005) for 1.28Mcps TDD. As such, the completion date extension to RAN#27 would apply to 1.28Mcps also.

References to WG's internal documentation and/or TRs: