TSG-RAN Meeting #20 ***RP-030241***
Hämeenlinna, Finland, 3 - 6 June 2003

Status Report for WI to TSG

Work Item Name: Improving receiver performance requirements for the FDD UE

SOURCE: Rapporteur (Shimon Moshavi, Intel) **TSG:** RAN **WG: 4**

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Ref. to WI sheet: RAN_Work_Items.doc, Work Item 66

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

A proposal was made in [1] to improve the modelling of other-cell interference in the performance requirements tests of 25.101, to be more in-line with OCNS same-cell interference modelling. Issues were raised in the discussion that need to be addressed in future contributions. There was also discussion about whether the proposal fit under the scope of the current Work Item, but a consensus was not reached. It was recommended that this issue be clarified further at the next RAN Work Group 4 meeting.

List of Completed elements (for complex work items):

Changes to the Soft Handover DCH demodulation performance requirements (TS 25.101, Sec. 8.7) were approved at RAN #16 according to [2].

A proposal was made at the RAN WG4 #24 meeting in [3] to incorporate power control into the Multipath Fading Demodulation tests of Sec. 8.3 of TS 25.101. Simulation results for this proposal were presented in contributions [3-5]. Issues for clarification were presented in [6].

List of open issues:

None

Estimates of the level of completion (when possible):

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

Originally December 2002. Currently open, pending further discussion in RAN Work Group 4.

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

[1] 3GPP TSGR4-030497, “Improving UE Performance Tests,” Intel Corp., May 2003.

[2] 3GPP TSGR4-020959, “FDD UE Performance Requirements,” CR-166, Intel Corp., May. 2002.

[3] 3GPP TSGR4-021276, “Improvements for DCH Demodulation Tests in Multi-Path Fading Conditions,” Nokia, Aug. 2002.

[4] 3GPP TSGR4-021489, “Simulation Results for DCH demodulation tests with power control,” Ericsson, Nov. 2002.

[5] 3GPP TSGR4-021618, “Simulation results for modified DCH demodulation tests in multi-path fading conditions,” Nokia, Nov. 2002.

[6] 3GPP TSGR4-021662, “UE performance requirements,” Motorola, Nov. 2002.