TSG-RAN Meeting #27   **RP-050004**
Tokyo, Japan, 9th - 11th March 2005

Status Report for WI to TSG

Work Item Name: Performance Requirements of Receive Diversity for HSDPA

SOURCE: Rapporteur   **TSG: RAN**   **WG: 4**

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Ref. to WI sheet: RP-040731.doc, TSGRP#22 (2003)

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

RAN WG4:
Work for Category 7-8 (FRC H-Set 6)
- Second phase results (with implementation margin) on FRC H-Set 6 was presented by Fujitsu, Ericsson, Motorola, NEC, Nokia, NTT DoCoMo, Panasonic, Qualcomm, and Sony Ericsson. The results are summarized in [1], and a CR was agreed [2].

Work for HS-SCCH detection performance with STTD
- Second phase results (with implementation margin) on HS-SCCH detection performance with STTD was presented by Fujitsu, Nokia, NTT DoCoMo, Panasonic, Qualcomm, and Sony Ericsson. Moreover, that with single Tx was also presented in order to modify the test points. The results are summarized in [1], and CRs were agreed [3, 4].

List of Completed elements (for complex work items):
- Simulation results with implementation margin for category 1-6
- Simulation results with implementation margin for category 7-8
- Simulation results with implementation margin for HS-SCCH
- Test requirements/configuration

List of open issues:
 None

Estimates of the level of completion (when possible):
 100%

WI completion date review resulting from the discussion at the working group:
 RAN#27 (March 2005).

 This WI can now be closed as it was completed in the timescales (as initially submitted at RAN#24) due to the joint working effort of the many supporting companies.

References to WG's internal documentation and/or TRs:
 [1] R4-050250, Minutes of HSDPA simulation Ad-Hoc (Qualcomm Europe)
 [2] R4-050268, Enhanced performance requirements for HSDPA cat 7 & 8 capable receivers (NEC et al)
 [3] R4-050014, Specification of enhanced performance requirements for HS-SCCH with open loop diversity based on receiver diversity (Sony Ericsson)
 [4] R4-050015, Modification of enhanced performance requirements for HS-SCCH based on receiver diversity (Sony Ericsson)