

Status Report for WI to TSG

Work Item Name: "High Speed Downlink Packet Access (HSPDA) – RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing"

SOURCE: Rapporteur

TSG: RAN

WG: 4

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Ref. to WI sheet: 43: High Speed Downlink Packet Access (HSDPA)

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

WG1/WG2/WG3

Resolution of minor issues and addition of further details is still required and this is being handled as corrections to the REL-5 specification.

WG4

For Node B

- TS25.104: HSPDA requirements are now complete. CR presented to RAN#16
- TS25.141: Clarification on measurement test model and dynamic range for the tests specification are still outstanding. CR expected for RAN#17
- TS25.105: No impact was identified for the inclusion of the HSDPA feature.
- TS25.142: New test models for 16QAM were added for 1,28 Mcps TDD option. Test models for the 3.84 Mcps TDD option are outstanding.

For UE

TS25.101:

- Fixed reference channel: test results provided on agreed simulation results from a number of companies (Ericsson, Lucent, Qualcomm, NTT DoCoMo, Nokia, Motorola and Panasonic). CR for fixed reference channel test presented to RAN#16 – expect some corrections to performance values due to further alignment of simulations.
- Variable reference channel: Simulation assumptions proposed. Simulation results and CR expected to be presented at RAN#17
- Tx diversity and HS-SCCH (control channel): draft simulation assumptions presented, agreement expected for next WG4 meeting. Based on agreement at WG4#24 simulation can be completed for WG4#25. Some dependency on RAN1 completing final corrections so expected completion date is RAN#18

TS25.102

- Performance requirements for fixed reference channels with QPSK modulation were included based on simulation results from Panasonic and Siemens. Further work is expected for 16QAM and variable reference channels in order to include further performance requirements.

List of Completed elements (for complex work items):

List of open issues:

As above

Estimates of the level of completion (when possible): 60% overall (UE and Node B)

WI completion date review resulting from the discussion at the working group: RAN#18

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

[1] RP-020347: TR 25.890 v1.0.0, "Technical Specification Group Radio Access Network; High Speed Downlink Packet Access: UE Radio Transmission and Reception (FDD) (Release 5)".

[2] R4-020873: HSDPA simulation assumptions for 1,28 Mcps TDD option.

[3] R4-020984 Comparison of HSDPA simulation results for 1,28 Mcps TDD option.