

Status Report for WI to TSG FOR HSDPA RF

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

SOURCE: Rapporteur (Edgar Fernandes, Motorola) **TSG:** RAN **WG:** 4

E-mail address rapporteur: edgar.fernandes@motorola.com

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

Progress Report since the last TSG:

WG4 has held 1 meeting since the work item status was last presented to TSG RAN #19. Since the last RAN meeting the HSDPA ad-hoc continued to progress the open issues on the email reflector. All outstanding issues have now being agreed in RAN#4 and CR(s) are presented for RAN#20 for approval to complete the work item

The following companies provided the extensive simulation expertise and results to complete the FDD / TDD HSDPA work item – Ericsson, InterDigital, Lucent, Motorola, NEC, Nokia, NTT-DoCoMo, Panasonic, Qualcomm, Samsung, Siemens and Sony–Ericsson

a) HSDPA status for FDD

List of open issues in TS25.101 that were outstanding:

Nos.	Description	Status
1	FRC Tx diversity (closed loop)	Closed – CR agreed for RAN#20
2	FRC verification of error free HS-SCCH	Closed – CR agreed for RAN#20
3	Maximum Rx power at UE (16QAM)	Closed – CR agreed for RAN#20
4	HS-SCCH performance	Closed – CR agreed for RAN#20
5	CQI test – AWGN test conditions	Closed – CR agreed for RAN#20
6	CQI test – Fading channel test conditions	Closed – CR agreed for RAN#20 Note; the CQI testing in fading channel replaces the (A-VRC) tests previously described

b) HSDPA status for 1,28 Mcps TDD option

List of open issues in TS25.102 for 1,28 Mcps TDD option:

Nos.	Description	Status
1	CQI test – AWGN test conditions	Closed – CR agreed for RAN#20
2	VRC performance requirement	Closed – CR agreed for RAN#20
3	HS-SCCH performance	Closed – CR agreed for RAN#20

c) HSDPA status for 3,84 Mcps TDD option

List of open issues in TS25.102 for the 3,84 Mcps TDD option:

Nos.	Description	Status
1	CQI test – AWGN test conditions	Closed – CR agreed for RAN#20

Estimates of the level of completion (when possible):

100 %

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

TSG-RAN meeting #20 (June 2003)

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

TR 25.890 V1.3.0 (2003-02). This report will be revised to include the simulation results and agreements from RAN4#28 and will be presented to the next RAN4 meeting for closure.