

## Status Report for WI to TSG

**Work Item Name:** FDD Base station classification; Rel 6

**SOURCE:** Rapporteur (Tuomo Säynäjäkangas, Nokia)    **TSG:** RAN    **WG:** 4

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**Ref. to WI sheet:** RAN\_Work\_Items.doc

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

RAN WG 4 has held 1 meeting since the work item status was lastly presented to TSG RAN #16. At this meeting ten contributions were provided for this WI. Three documents were approved. Most of the transmitter and receiver characteristics were approved for Medium range class. Also performance requirements were approved. Further studies are needed to clarify the requirements for Local Area Base station class.

The core requirements in Rel99, Rel4 and Rel5 apply to the Wide Area BS. System scenarios, simulation assumptions and some requirements for the Medium Range BS have been defined, and are shown in TR 25.951. Simulations and analysis need to be completed to be able to set final requirements for all classes and to finalise the work in WG4.

### **List of Completed elements (for complex work items) in TS 25.104:**

Clause	Description	Status
4.2	Base station classes	Completed

### **List of open issues in TS25.104:**

Clause	Description	Status in Medium Range	Status in Local Area
6.2	Base station output power	Open	Open
6.3	Frequency error	Completed	Completed
6.4	Output power dynamics	Completed	Open
6.6.2.1	Spectrum emission mask	Completed	Open
6.6.2.2	ACLR minimum requirement	Completed	Open
6.6.3	Spurious emissions	Partly open	Open
6.7	Transmit intermodulation	Completed	Open
6.8	Transmit modulation	Completed	Open
7.2	Reference Sensitivity Level	Completed	Open
7.3	Dynamic range	Open	Open
7.4	ACS	Completed	Open
7.5	Blocking Characteristics	Completed	Open
7.6	Intermodulation Characteristics	Completed	Open
8	Performance requirements	Completed	Open

### **Estimates of the level of completion (when possible):**

85 %

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

TSG-RAN meeting #18 (December 2002)

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

TR 25.951 V1.3.0 (2002-08)