TSG-RAN meeting #28 RP-050199
Quebec City, Canada, 1-3 June 2005

Status Report for SI to TSG

Study Item Name: Performance Evaluation of the UE behaviour in high speed trains with speeds up to 350 kmph

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

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Ref. to WI sheet: `ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/Work_Item_sheets/`

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

During RAN4#35, one contribution on UE behaviour in high speed environments was treated.
The discussion has been opened about propagation and channel models. The mobility and deployment considerations should be taken into account as requested by some Companies. It was noted that the channel model depends on the deployment scenario, operators where asked if the BS will be embarked in the train or standing outside.
As a way to progress the work, it was recommended that the scenarios should be identified at a first stage, then the channel models defined and after this the simulations can be performed. It was warned that the number of scenarios shouldn't be too large, or else the work will take years, just like it happened with MIMO.

List of Completed elements (for complex work items):

-

List of open issues:

-

Estimates of the level of completion (when possible):

5%

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

TSG RAN #29, September 2005

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

RAN4#35:
R4-050388 High speed environment channel models, Siemens AG

RAN4#34:
R4-050171 Measurement results from high speed tests, Vodafone