TSG-RAN meeting #25 RP-040269
September 7-9, Palm Springs, USA

# Status Report for WI to TSG

**Work Item Name:** MIMO in UTRA

**SOURCE:** Rapporteur, Howard Huang **TSG:** RAN **WG:** 1

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**Ref. to WI sheet:** RAN_Work_Items.doc

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

**RAN WG1 #38 in Prague:**
35 documents were submitted for this meeting but only handfuls were discussed on system simulation and evaluation methodology, which were the main focus of this meeting. There was not sufficient time to deal with contributions related to specific proposals.

Two parallel ad hocs to the main RAN1 meeting were held to progress the MIMO evaluation methodology. The ad hoc reached agreements on the system level evaluation methodology and those agreements were submitted in three revised text proposals and included in the MIMO TR 25.876 [1]

With the system level evaluation methodology finalised, the next regular RAN1 meeting will be the final deadline for companies to submit proposals for MIMO per the Phoenix RAN#23 decision. Discussions on all proposals, which did not yet get the chance to be treated, will take place in next RAN1 meeting in November.

**RAN WG2 #43 Prague**
One document were submitted on possible MIMO signalling impact but was not treated due to lack of time.

**RAN WG4 #32 Prague:**
One document on the system level evaluation methodology was presented to RAN4 for information.

**RAN WG3:**
The WI has not been treated yet.

## List of completed elements:

- Requirements
- Link level channel model
- System level channel model
- System level simulation methodology

## List of open issues:

- Evaluation of MIMO proposals
- Impacts to UE and UTRAN implementation.
- Impacts to physical layer operation.
- Conclusion

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

60% (in RAN1)

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

March 2005 for RAN1 (TSG RAN#27)
December 2005 for RAN2,3,4 (TSG RAN#30)

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

[1] R1-041050, MIMO Rapporteur, MIMO TR 25.876 v1.6.1