

Status Report for WI to TSG

Work Item Name: Multiple Input Multiple Output antennas (MIMO)

SOURCE: Rapporteur

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:

At the RAN1#33 meeting in New York, different MIMO proposals were presented by different companies. Some offline drafting activities took place on MIMO to draft text for the MIMO TR 25.876 to reflect the expanded scope of the MIMO WI beyond HSDPA, to include TDD and to update the requirement section.

RAN WG2:

The WI has not been treated yet.

RAN WG3:

The WI has not been treated yet.

RAN WG4:

At the RAN4#28 meeting in Sophia Antipolis, an advanced receiver proposal for MIMO and HSDPA testing was presented and discussed but no agreement could be reached on including advanced receivers in the testing of HSDPA within RAN4.

List of completed elements:

- Requirements
- Link level channel model
- System level channel model

List of open issues:

- System level simulation methodology
- Clarification on some of the listed requirements.
- Description of the proposed MIMO schemes.
- Evaluation of the proposed MIMO.
- Impacts to UE and UTRAN implementation.
- Impacts to physical layer operation.
- Conclusion

Estimates of the level of completion (when possible):

30%

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

03/2004 (TSG-RAN#23)

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