

## Status Report for SI to TSG

### **Agenda Item: 8.10.1**

**Study Item Name:** "Radio Link Performance Enhancements "

**SOURCE:** Rapporteur

**TSG:** RAN

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**Ref. to WI sheet:** [RAN\\_Work\\_Items.doc](#)

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

#### **Tx diversity for multiple antennas (TR25.869)**

Updated TR with two text proposals agreed at RAN WG1#32 meeting was endorsed. No other input contributions were discussed at RAN WG1#33 meeting.

#### **HSDPA enhancements (TR25.899)**

No input contributions were discussed at RAN WG1#33 meeting.

#### **Power Control enhancements (for TDD) (TS25.989)**

The structure for TR25.989 was agreed at RAN WG1#33 meeting. No other input contributions were discussed.

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

#### **Tx diversity for multiple antennas**

- Description of studied schemes

#### **HSDPA enhancements**

- Description of studied schemes

### **List of open issues:**

#### **Tx diversity for multiple antennas**

- System simulation model.
- Evaluation of presented pilot schemes + conclusion.
- Reviewed performance results.
- Impacts to UE and UTRAN implementation.
- Impacts to physical layer operation.
- Complete "backwards compatibility to R99/R4" considerations.
- Evaluation of described schemes (comparing of different techniques).
- Conclusion

#### **HSDPA enhancements**

- Evaluation of described schemes

#### **Power Control enhancement**

- Evaluation of schemes to be described in the TR

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

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

### **Tx diversity for multiple antennas**

- Completion date for TR25.869 remains as 03/2004.

### **HSDPA enhancements**

- Completion date for TR25.899 remains as 03/2004.

### **Power control enhancement**

- Completion date for TR25.989 remains as 03/2004.

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

[1] TR25.869 V1.2.0 "TX diversity solutions for multiple antennas", R1-030946

[2] TR25.899 V0.2.0 "HSDPA enhancements", R1-030634

[3] TR25.898 V0.1.0 "Power control enhancements", R1-030947