

## Status Report for SI to TSG

**Study Item Name:** Low output powers for general purpose FDD BSs

**SOURCE:** José Alberto Martín (Telefonica)    **TSG:** TSG RAN    **WG:** WG4

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**Ref. to SI sheet:** RP-030198.doc

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

Since last TSG RAN meeting, one meeting has been held on TSG RAN WG3 and WG4.

During the TSG RAN WG4 meeting, Telefonica proposed a new approach for getting low output power (R4-030744). The last approach for getting low output power has received many objections from the manufacturers side, mainly because of backwards compatibility problems, and incoherences in the RRC signalling with the UE. This is the reason why a new solution has been proposed.

The feasibility of this new solution has been agreed by TSG RAN WG4, but it was also decided that the feasibility of this solution must also be agreed by TSG RAN WG3, because this solution implies changes to specifications under RAN WG3 control. So this solution must also be presented to RAN WG3 for approval. It was also agreed that this solution does not exclude any other possible solution. The scope of the study item is not to select one solution, but to agree on the feasibility of the proposed solutions.

A first version of the technical report on this study item was provided by Telefonica (R4-030847). This version of the TR was agreed by the group. At the end of the meeting it was agreed to propose TSG RAN to transfer the control of this study item to TSG RAN WG3. This is due to the fact that the new solution for getting low output powers affects mainly to RAN WG3 specifications.

During the TSG RAN WG3 meeting, Telefonica provided two papers, R3-031224 and R3-031225, containing the agreed version of the TR and the new approach for getting low output power, respectively. The purpose of these two papers was to present the new solution to RAN WG3 so that this group can agree on the feasibility of it. These two papers couldn't be presented because of lack of time. They will be presented again during the next RAN WG3 meeting in October. This group should decide on the feasibility of this solution before next RAN WG4 meeting in November.

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

None.

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

- RAN WG3 should decide on the feasibility of the new solution.

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

The completion level is 50%.

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

We propose to keep the completion date in December 03.

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

[1] R4-030744, "New approach to low output power", Telefonica

[2] R4-030742, "Proposal for an skeleton TR on the Low output power for general purpose FDD BSs study item", Telefonica

[3] R4-030743, "Text proposal for section number 4 in the Low output power for general purpose FDD BSs technical report", Telefonica

[4] R4-030745, "Text proposal for section number 5 in the Low output power for general purpose FDD BSs technical report", Telefonica

[5] R4-030847, "TR on the Low output power for general purpose FDD BSs", Telefonica

[6] R3-031224, "TR on 'Low Output Powers for general purpose FDD BSs'", Telefonica

[7] R3-031225, "New approach regarding low output power BS", Telefonica