TSG-RAN Meeting #14 **RP-010919**
Kyoto, Japan, 11 - 14 December 2001

Status Report for WI to TSG

Work Item Name: TDD Base Station Classification; Rel 5

SOURCE: Antti Toskala **TSG:** RAN **WG: 4**

E-mail address rapporteur: joseph.levy@interdigital.com for Antti Toskala, Rapporteur

Ref. to WI sheet: RAN_Work_Items.doc: 4. TDD Base station classification

Progress Report since the last TSG (for all involved WGs): The work item was completed at RP#13, except that the WG4 had not been able to agree on one CR. Since operators who expressed concerns in the past were not present at WG4#20, the decision was postponed to the next WG4 meeting (28 January – 1 February 2002).

List of Completed elements (for complex work items): RAN agreed this work item is complete and has raised the version of TR25.952 to version 5.0.0, at TSG-RAN Meeting #12, Stockholm, Sweden, 11-15 June 2001.

List of open issues: Requirement on adjacent channel leakage for coexistence of Wide Area and Local Area base stations. (For details see: References to WG's internal documents and/or TRs, below.)

Estimates of the level of completion (when possible): 95%

WI completion date review resulting from the discussion at the working group: March 2002

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

TSG RAN WG4#18, Berlin, Germany 9-13 July 2001

R4-010843 TDD BS Classification (InterDigital)
Decision: The CR is endorsed

TSG RAN WG4#19, Edinburgh, UK 3-7 September 2001

R4-011145 Concerns about assumptions made in R4-010652 and corresponding results shown in R4-010843 (Ericsson)
Siemens noted that the WI is finished, the TR is already under change control, but it was agreed in Goteborg that the values could be revised. Siemens argues that a value of 72 dB for the MCL has been obtained through simulations, as presented in document R4-011311.
R4-011311 Investigation of the minimum coupling loss between co-located wide are BS and local area BS (Siemens)
Ericsson notes that this MCL depends on how the operator is organising the site. Although the case considered is typical, in BS-BS interference there are multiple possible cases. Telia notes that situations with a 30dB coupling loss has been found. T-mobil comments that the number for the coupling loss should be met in a 90% of the cases, the rest of the cases with CL less that the specified should be resolved by site engineering or operator coordination. The value of 72 dB is the only one that has been justified, it should be kept.
Decision: The documents are noted
R4-011316 TDD BS Classification (InterDigital, Siemens)
There are a few issues pending in this WI, it was decided not to approve any CR yet.
Decision: The CR is not agreed
D2 Vodafone acknowledges the work performed by companies in this area and would like to thank them for that. Concerning the work schedule, D2 Vodafone disagrees with postponing of the TDD BS classification, due to the recently spotted possible problems in the area of co-sitting. It is hoped that this can be solved in the close future.

TSG RAN WG4#20, East Brunswick, NJ, USA 12–16 November 2001

R4-011366 Simulation results on coexistence of Local Area BS and Wide Area BS (Siemens)
It is noted that it is more likely to have many local area BS in the area covered by a macro BS.
Decision: The document is noted.
R4-011367 ACLR Requirement for TDD Local Area BS (Siemens)
This document proposes new requirements for local area BSs to be introduced in 25.105 Rel5. It is noted that operators have expressed concerns in the past to the values proposed here, since they are not present here it is suggested to wait to the next meeting. Siemens notes that this WI has been almost finished for months, and the values and justification presented here have been shown a number of times already. Siemens requests that justification for not approving these values is provided next meeting unavoidably, progress in this area has to be made.
Decision: The document is not agreed.