TSG-RAN Working Group 1 meeting #16
Pusan, Korea, 10-13 October, 2000

R1-00-1321

Source: TSG RAN WG1

To: TSG RAN WG4

Copy:

Title: LS on a proposal for a new frame structure for the 1.28 Mcps TDD option

Contact: Peter Almers

Peter.c.almers@telia.se

+ 46-705-18 51 41

At RAN meeting number 9, RAN WG4 was asked to study/continue studying the co-existence of the 3.84 Mcps TDD and the 1.28 Mcps TDD options in the unsynchronised case in adjacent bands, and to study to what extent requirements needed to be tightened [1].

At RAN WG1 meeting number 16, a new frame structure proposal for the 1.28 Mcps TDD option has been presented [2]. The new frame structure proposal has the possibility to synchronise on a time slot basis with the 3.84 Mcps TDD. Since up to now, this proposal doesn't contain sufficient details, currently no investigations in RAN WG1 have been done with respect to e.g. complexity, performance, cell range, and the support of particular features of the 1.28 Mcps TDD option (like beamforming, fast L1 UL synchronisation, fast UL power control).

The working CRs in RAN WG1 will be continued based on the TR25.928.

However, RAN WG1 would like to inform RAN WG4 about this new proposal because it may be linked to the ongoing activities in RAN WG4 on the studies mentioned above.

References:

[1] RAN, "Draft meeting report", *RP-000521*, Oahu, HI, USA, 20 - 22 September 2000, Meeting No. 9

[2] RAN WG1, " New frame structure proposal for the 1.28 Mcps TDD option ", Telia, Doc. TSGR1-00-1282, TSG-RAN Working Group 1 meeting No. 16.