TSG-RAN Working Group 4 (Radio) Adhoc meeting
Malmö, Sweden, 27-228 April, 2000

R4S(00)0053

Source: TSG RAN WG4

Title: LS on TPC command combining

To: TSG RAN WG1

CC:

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For your information, there was a discussion in RAN4 on the issue of whether the requirements for TPC command combining in current TS25.214 is adequate from system performance point of view. The outcome of discussion was that RAN1 should consider to add following requirement for Section 5.1.2.2.2.3 "Combining of TPC command not known to be the same" in TS 25.214.

"When the received TPC commands from all the serving cells are reliable, the output of must equal 1 if the TPC commands from all the serving cells are reliably 1, and the output of must equal -1 if the TPC commands from any of the serving cells are reliably 0."

In fact the addition of this sentence was already presented in [1], but at that time RAN1 decided that it is up to RAN4 to decide whether this should be included into specification. Now RAN4 recommends to RAN1 to include the more stringent requirement described above. The exact wording of the new requirement is an issue for RAN1 to decide itself, but should describe the required functionality very clear. It will be an issue of RAN4 to define a test case covering this new requirement.

REFERENCES

[1] TSGR1#11(00)0266. Clarification of TPC command combining for Algorithm 1 (revised). Philips.