

TSG-RAN Working Group1 meeting #7
Hanover (Germany), Aug 30th- Sept 3rd 1999

TSGR1#7(99)e29

Agenda Item :
Source : 3GPP RAN WG1
Title : Liaison statement on outer loop power control
To : 3GPP RAN WG2
Copy : 3GPP TSG RAN 3, 3GPP RAN WG4

During its seventh meeting, RAN WG1 reviewed the liaison statement from WG2 , R1-99c39 (R1-99987), "LS on status of the work on power control issues". In that liaison statement RAN WG2 asked the following questions to RAN WG1 :

- *Should Outer-loop control algorithm be specified in the standard or should some flexibility be provided?*
- *What is the most accurate value to base the outer-loop algorithm on (FER, BER, SIR ...)?*

RAN WG1 discussed these questions on outer loop power control for FDD. RAN WG1 understood that the liaison statement addressed the downlink outer loop power control rather than uplink and downlink. RAN WG1 did not come out with a final answer, since testability is not quite clear at this stage. However RAN WG1 would like to indicate the following to RAN WG2 :

- 1) RAN W1 believes that there should be some specification of the DL outer loop power control algorithm in the UE. However testability is not clear at this stage.
- 2) Concerning the measurements to rely on, we still face the testability problem. If testability was not an issue the following should though be considered when evaluating whether a measurement can be used :
 - a) in the case of multiple transport channels in the CCTrCH several FERs could be used, since there could be as many FERs as transport channels.
 - b) For low BER, FER and BER might not be applicable due to averaging time

RAN WG1 would like to know whether RAN WG2 is considering similar operation for the uplink outer loop.