

TSG-RAN WG1 #17
Stockholm, Sweden, 21-24 November 2000

R1-00-1486

Source: TSG RAN WG1
To: TSG RAN WG2
Title: LS on physical layer aspects of the OTDOA-PE positioning method
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In response to the liaison titled “LS on R'00 work on UE positioning in UTRA” (R2-001781/R1-001133) WG1 would like to inform WG2 that the OTDOA-PE positioning proposal has been discussed during meetings #16 and #17. It has been shown that this method has the potential to provide a significant increase in positioning accuracy in comparison to OTDOA-IPDL by using a sufficient number of PEs. By using IPDL the accuracy of the PE method is better than without IPDL.

The impacts to the system have not been quantified, however, the qualitative discussion concluded that capacity will be affected to a smaller degree than would be the case with the use of idle periods. Regarding the impact on cell search, this will be further investigated but is not expected to be significant.