

TSG-RAN Working Group 3 meeting #6  
Sophia-Antipolis, France, 23 - 27 August 1999

**TSGR3#6(99)A49**

**Agenda Item:** 26

**Source:** TSG RAN WG3

**Title:** Liaison Statement on the support of different RL DL\_TX\_  
power levels in case of Soft Handover

**To:** TSG RAN WG1

**Copy:** TSG RAN WG4, TSG RAN WG2

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Recognising the relatively high error probability on the TPC bits signalled to the UTRAN, WG3 included a procedure on the Iub/Iur interfaces to correct situations in which the DL\_TX\_power of different cells has drifted too far apart.

Currently this procedure provides the same power reference value to all node-B's for all RL's.

During WG3 #6 in Sophia Antipolis the issue was raised if macro-diversity with deliberately different DL\_TX\_power levels on different RL's should be supported in R99. This situation seems to apply e.g. in case a UE is in macro-diversity with RL's from both a macro- and a micro-cell.

WG3 would kindly like to ask WG1 to clarify the possible use of different DL\_TX\_power levels for RL's in Soft Handover and the need for supporting this functionality in R99.

If such functionality is required to be supported in R99, WG3 would like to ask WG1 to provide further clarification on the required UTRAN functionality e.g. is it expected that in this case the offsets between the DL\_TX\_power levels for the different RL's should be kept constant ? WG3 would also like to know if DL\_TX\_power drifting corrections still have to be made in such situations ?