

Liaison To : TSG-R3
Copy : RAN WG2 and RAN WG4
From : RAN WG1
Title : Liaison statement on RL DL_TX_ power levels for Soft Handover

RAN WG1 would like to thank RAN WG3 for their Liaison Statement (**R1-99c88**, Liaison Statement on the support of different RL DL_TX_ power levels in case of Soft Handover). In this liaison statement RAN WG3 asked RANWG1 to clarify the use of different RL DL-TX power levels in soft handover, and whether this should be part of Release99. Assuming that different RL DL-TX powers levels were needed, RAN WG3 asked also whether the offsets between the different RL DL-TX power levels should be able to vary in time and whether these RL DL-TX power levels should be updated in order to overcome some drifting problem.

RAN WG1 discussed this issue during its 8th Meeting. It was recognised that scenarios should be allowed in which the path-losses to different cells in the active set are different, provided that the received powers from these different cells at the UE are similar which requires different RL DL-TX power levels. Therefore RAN WG1 concluded that different RL DL-TX power levels should be allowed. Additionally RAN WG1 agreed that the offsets between these should be allowed to vary in time as the path-losses from the UE to the different cells vary as the UE moves. Finally the provision of different RL DL-TX power levels does not eliminate the drift of transmit power due to power control errors. DL_TX_ power levels drifting corrections still have to be made in such a situation.