

Source: TSG RAN WG1
To: TSG RAN WG3
Title: LS on power balancing
Contact: Nicolas Billy, nicolas.billy@alcatel.fr, +33 (0)1 30 77 54 64.

RAN1 has studied the liaison statement from RAN3 on the issue of synchronising starting times for power balancing.

1) How many percentage of the TPC error occurs during the duration of the connection?

The TPC command error rate depends on such as the setting of power ratios between DPCCH and DPDCH. Most simulation results in RAN-WG1 have been done with an error rate of 4% and RAN-WG1 thinks this value can be taken as a typical value for any study conducted in RAN-WG3.

2) Could RAN-WG1 give their opinion on whether it is essential to include a synchronisation of Power Balancing in R99, or whether this is a potential optimisation for future release.

RAN-WG1 studied the impact of synchronisation of power balancing on network performance and concluded that it is essential to include this feature in R99, i.e. measuring P_{init} in synchronised way by all NodeB's.