

Source: TSG RAN WG1

Title: Liaison Statement on the measurement of the Physical channel BER as UL Quality estimate

To: TSG RAN WG3

CC: TSG RAN WG4, TSG RAN WG2

Document for: Information

TSG RAN WG1 thanks WG3 for its liaison statement on the usage of the Physical channel BER as UL Quality estimate in the UL DCH Frame Protocol on lub/lur TSGR3#6(99)A39

RAN WG1 has included a measurement of physical channel BER in the recently created documents TS 25.215 and TS 25.225 (for FDD and TDD respectively). Such a measurement can be provided every frame. However, it should be noted that the required accuracy has not yet been studied in detail. In general, reliability will be poorer at high spreading factors, due to the smaller number of bits on which to base the BER estimate. In such cases, and depending on the intended use of the measurements, averaging over a number of frames may be desirable.

RAN WG1 has currently not considered the required number of bits for transporting the UL quality estimate in the DCH FP.

It should be noted that WG1 specifications are expected to cover the range of such kind of measurement but not the resolution to be used.