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Source:	TSG-RAN WG2
To:	TSG-RAN WG4
Cc:	TSG-RAN WG1, TSG-RAN WG3
Title:	**LS on Usage of FDD SIR measurements in release 99 RAN2 specifications**
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RAN2 would like to inform RAN4 (Cc RAN1, RAN3) on the status of the UE and Node B FDD SIR measurements in release 99 RAN2 specifications.

The UE measures the **DPCCH SIR** for downlink power control purposes. The definition of this is, therefore, included in TS 25.302. TS 25.331 currently includes the possibility for the UE to report the DPCCH SIR to the UTRAN for quality monitoring purposes. However, the understanding in RAN2 is that the performance and accuracy requirements for the DPCCH SIR will not be specified in RAN4 due to variations produced by different implementations in the UE. This is felt as not being an issue because power control is done on a UE basis.

In consequence, no absolute values of the SIR (e.g. maximum and minimum SIR target) will be signalled by the UTRAN to the UE for power control purposes. Nevertheless, RAN2 has included in the RRC protocol - TS 25.331 - the signalling of delta SIR to the UE for compressed mode configurations. RAN2 has made this decision in the understanding that performance tests of the delta SIR should be possible to implement without using absolute SIR values.

To reflect the decision made in RAN4, the UE measurement of **CPICH SIR of the neighbouring cell** has been retained in TS 25.302 with a note that this measurement is not included in release 99. Furthermore, the CPICH SIR has been deleted from TS 25.304 and TS 25.331.

In addition to the UE measurements of SIR, the definition of node B measurement of DPCCH SIR is included in TS25.302. The usage of this measurement is defined in the RAN3 specifications.