LIAISON STATEMENT

Agenda Item:

Source:	**TSG T WG1**
To:	**TSG RAN WG4**
cc:	**TSG T**
Title:	**Implementation of reference measurement channels for conformance testing**
Document for:	**Information**
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TSG T WG1 would like to inform TSG RAN WG4 regarding how TSG T WG1 intends to implement the reference measurement channels as specified in TS 25.101 Annex A and 25.102 Annex A.

> If TSG RAN 4 have any comments on the subject TSG T WG1 appreciates if the comments can be received before 10 April 2000

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TS 34.109 specifies the special UE functions needed for conformance testing. One essential part of TS 34.109 is to specify the test loop to be used for RF conformance testing.

To obtain a generic test loop the loop back point of the test loop have been defined above Layer 2, see the picture.

For BER measurements the System Simulator (SS) configures Layer 1 according to the actual reference measurement channel. The MAC and RLC are configured for transparent MAC and RLC operation to obtain a virtual loop back point of the transport blocks. For a detailed description of the test loop and its use for BER measurements see TS 34.109 clause 6.2.5.1.

For BLER measurements the SS configures RLC for acknowledged mode. The SS is then calculating BLER from the relationship of received transmission requests from the UE and the total sent blocks. For a detailed

description of the test loop and its use for BLER measurements see TS 34.109 clause 6.2.5.2 to 6.2.5.5.