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(R2-011480, copy TSG-RAN) LS on Requirements on UE positioning

Source:	**TSG-RAN WG2**
To:	**TSG-SA WG1**
Cc:	**TSG-RAN, TSG-SA**
Title:	**LS on Requirements on UE positioning**
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TSG-RAN WG2 has started work on the testing aspects of UE positioning within UTRAN, where some questions regarding the requirements for the specified methods Observed Time Difference Of Arrival (OTDOA) and Assisted GPS (A-GPS) arose.

The position calculation may be performed either within the network or by the UE, which is referred to as UE assisted and UE based positioning, respectively.

RAN WG2 kindly asks SA WG1 for guidance regarding the following issues:

1) In case of UE based OTDOA where the position is calculated in the UE and sent back to the network, is there a need to specify a minimum required accuracy for the position estimate?

2) The performance of the OTDOA method varies depending on the environment. Is there a need to specify several different scenarios (e.g. geographical distribution of NodeBs and UE positions; environment like urban, rural etc.)?

3) In case of Assisted GPS positioning, is it within the scope of 3GPP to specify minimum accuracy requirements for GPS measurements and position estimates?