Agenda Item: UE Capabilities

Source: TSG RAN WG1

Title: LS on the inclusion of LCS in UE Capabilities

To: TSG RAN WG2

CC: TSG RAN WG4

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For your information, there was a discussion in RAN1 on the issue of whether to have the 'UE Rx-Tx' & 'SFN-SFN observed time difference – type 2' measurements mandatory in all UE, both of which can be used in support of LCS. The outcome of this was that RAN1 should consider these measurements in the same way as almost all others, i.e. they could be mandatory in the all UEs. It will be an issue for RAN4 to specify the accuracy requirements on them considering both the LCS requirements and the UE complexity.

With this in mind RAN1 would like to confirm that the table below which was presented and discussed already in RAN2 expresses the wishes of RAN1 on the optional requirements in the physical layer.

LCS related parameters	Standalone location method(s) supported	Yes/No
	Assisted GPS support	Network based / UE based / No
	GPS reference time capable	Yes/No
	Support for IPDL	Yes/No

RAN1 recommends to RAN2 to take this table as a basis for it's work and would urge RAN2 to modify this table to take into account RAN2's discussions. In particular RAN2 may want to add an entry for the various OTDOA options and an option to support both GPS schemes, however these are issues for RAN2 to decide itself.