

**TSG-RAN Working Group 3 meeting #8
Abiko, Japan, 25 – 29 October 1999**

TSGR3#8(99)e66

TSG-RAN Working Group 1 meeting #8
New York, USA
October 12 – October 15, 1999

TSGR1#8(99)h52

Source: WG1
To: WG3
CC: RAN, WG2, WG4
Title: Liaison on LCS to WG3

WG1 has studied different LCS methods.

Two versions of OTDOA-IPDL have been discussed in WG1 – the original method and the time aligned (TA) method [1]. Results have been presented indicating that the performance is similar for the two methods. What remains to be investigated is the extra implementation complexity of the TA method. WG1 seeks clarification from WG3 to what extent the TA method would complicate the Iur and Iub protocols.

The TA IPDL method involves a procedure in which the Node B's idle a period synchronously in the entire network whereas the original IPDL method idles based on a pseudo-random pattern (which can be local to the Node B, i.e. little or no Iub signalling).

WG1 informs WG3 that it has yet to clarify which layer 1 measurements are required to support the UTRAN assisted GPS positioning method; this work is ongoing. In this connection, WG1 has agreed that work on GPS based methods in TIP1 must be exploited, where possible, to expedite its work.

[1] TSGR1#7(99)b79, Time Aligned IPDL positioning technique, Motorola.