TSG-RAN meeting #18 RP-020696
New Orleans, US, 3rd – 6th December 2002

Status Report for SI to TSG

Study Item Name: Enhanced OTDOA using advanced blanking Techniques

SOURCE: Rapporteur (David Bartlett, Cambridge Positioning Systems)
TSG: RAN **WG:** 2

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Ref. to SI sheet: RAN_Study_Items.doc

Progress Report since the last TSG (for all involved WGs):

RAN2 #32
Draft TR containing RAN2 agreed text presented before taking it to RAN1.

RAN1 #28bis:
The draft TR as coming from RAN2 was presented to RAN1 as introductory material for the Software Blanking techniques being proposed to enhance the performance of OTDOA positioning.
Two detailed papers presenting comparative performance of OTDOA-SB (Software Blanking) with OTDOA, IPDL (ideal) and IPDL (using 20dB attenuated idle periods) were presented. Most of the discussion revolved around the simulation parameters used and the assumptions made.
A paper outlining the complexity impact on the UE of OTDOA-SB was noted, but due to lack of time it was not presented.

RAN1 #29:
A paper proposing the removal of some “holding text” inserted in the TR under the performance section was agreed.
Updated simulation results using modified simulation parameters requested in RAN1#28bis were presented. The discussion that arose was mostly in connection with the way in which IPDL was being simulated. It was requested that the simulations for IPDL be modified before the conclusions put forward in the documents could be endorsed.
Two papers addressing complexity issues of the UE and the SMLC were presented and discussed at length. Some modifications were agreed and the paper was updated and resubmitted, but due to lack of time was not represented. No further updates to the TR were agreed.

RAN2 #33
Status report of the RAN1 work, the RAN2 work being complete.

List of Completed elements (for complex work items):

- Measurement requirements
- Message flows and procedures
- Signalling and traffic requirements

List of open issues:

- Complexity of UE and SMLC
- Simulation parameters and basis for comparison with IPDL
- Performance Analysis
- Conclusions

Estimates of the level of completion (when possible):

40%

SI completion date review resulting from the discussion at the working group:

Due to lack of agreement in RAN1 regarding the simulation results and the conclusions drawn it is recommended that the completion date be revised as follows:

- RAN#19 (March 2003), Circulation of draft TR for review.
- RAN#20 (June 2003), SI completion.

References to WG's internal documentation and/or TRs:

1. R2-022567, Presentation of updated TR 25.894 with RAN2 agreed text incorporated
2. R1-021204, TR25.894 V0.1.0 presented as intro to SB
3. R1-021205, Software Blanking Hearability
4. R1-021206, OTDOA-SB Positioning Accuracy Results
5. R1-021227, UE Complexity
6. R1-021396, Text proposal to clean parts of TR
7. R1-021291, Software Blanking Hearability Update
8. R1-021292, Text proposal for incorporation of R1-021205 and R1-021291
9. R1-021293, OTDOA-SB Accuracy simulation updates for TR 25.894
10. R1-021294, SMLC complexity estimated for SB
11. R1-021295, Text proposal for miscellaneous updates to TR 25.894
12. R1-021429, Text proposal for miscellaneous updates to TR 25.894 (revised R1-021295)