Agenda item:	**6.5.1**
Source:	**Rapporteur**
Title:	**Status Report of Work Item LCS1-UEpos-IubIur (UE positioning in UTRAN Iub/Iur protocol aspects)**
Document for:	**Information**

Status

For the TSG RAN WG 3 work item LCS1-UEpos-IubIur CRs listed below were provided to R3#19 meeting for approval according to received agreements listed in the TR 25.850 UE positioning in UTRAN Iub/Iur protocol aspects v.0.3.1 chapter 7:

- *TS 25.433* UTRAN Iub Interface NBAP Signalling

    - CR 374 'Introduction of Information Exchange procedures over Iub';

    - CR 372 Introduction of the UTRAN-GPS and SFN-SFN timing measurement in NBAP;

    - CR 381 Introduction of the network configurable idle periods for OTDOA UE Positioning function

- *TS 25.423* UTRAN Iur Interface RNSAP Signalling

    - CR 328 'Introduction of Information Exchange procedures in RNSAP';

    - CR 327 Introduction of the Common Measurement Procedures in RNSAP

- *TS 25.420* UTRAN Iur Interface General Aspects and Principles

    - CR 14 Introduction of SCCP Handling for Common Measurements and Information Exchange on Iur

The latest revisions of these CRs are going to be approved during the R3#19 meeting and will be provided to TSG RAN#11 for final approval.

For the OTDOA radio interface timing measurement the work has been progressed based on the following assumptions due the lack of the RAN WG1 definition of UTRAN SFN-SFN Observed Time measurement and RAN WG4 definition of UTRAN SFN-SFN Observed Time measurement report mapping and accuracy requirement:

- Working assumption within RAN WG3 is that the SFN-SFN Observed Time difference is defined as in LS-R1-(01)-0147. This needs to be confirmed by RAN1 specification.

- Working assumption in RAN WG3 is that the SFN-SFN Observed Time Difference values are between – 20980 and +20979. This needs to be confirmed by RAN4 specification.

Proposal

The LCS1-UEpos-IubIur WI can be consider as completed and it is proposed to close this WI with the additional note concerning OTDOA UP method. There is need to check that RAN WG 3 has been worked based on the correct working assumptions for the UTRAN SFN-SFN Observed Time difference measurement for OTDOA UP method . This need to be checked form the up coming RAN 1 and RAN 4 specifications and corrective CRs are invited for the next RAN WG3 #20 meeting if RAN WG3 has been worked based on wrong working assumptions.

Furthermore contributions are invited for the next RAN WG3 #20 meeting to solve the open issues for OTDOA radio interface timing measurements SFN-SFN Observed Time Difference and $T_{UTRAN-GPS}$ (UTRAN GPS Timing of Cell Frame for LCS) listed below.

Open Items for OTDOA radio interface timing

Following open items are identified:

1. The maximum number for measured neighbouring cell in TDD mode of operation is FFS in reference [8].

2. Can the GSM cells be measured as neighbouring cells for UE positioning.
3. Mapping and accuracy of the SFN-SFN Observed Time Difference UTRAN measurement. Is there a need to report the accuracy of this measurement?
4. Accuracy of the $T_{UTRAN-GPS}$ UTRAN measurement.