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Abstract of document:

TR23.871 'Enhanced support for User Privacy in location services'

This Technical Report for Release 5 identifies and describes enhanced user privacy in location services (LCS) and the corresponding functional requirements. The TR describes the new privacy features 'Codeword', 'Requestor' and 'Service Type Privacy' that are already supported in Release 5 in general terms and some aspects of the enhanced network support for user privacy that are being studied for Release 6.

Changes since last presentation to TSG SA Meeting #15:

SA Plenary #15 approved the Rel-5 solution in March, so TR 23.871 now describes the basic network solution as standardized in TS 23.271 Release 5 only in general terms. The further enhanced LCS privacy features in Rel-6 and some alternative network solutions to support user privacy in Release 6 are described and compared. It should be noted that the GMLC-GMLC interface (Rel-6) is not taken into account in most network alternatives described in this report.

The scope of the TR was changed to indicate that the TR describes both Rel-5 and some Rel-6 aspects of user privacy.

Section 5.9 was added to summarize the user privacy features in Rel-5 and some possible enhancements in Rel-6.

The following conclusion chapter is proposed for the TR:
"A change in the architecture can be proposed in next releases when new service requirements that are not feasible to be implemented in the existing architecture are identified. The LCS network architecture in Rel-6 will take into account the GMLC-GMLC interface and will be guided by identified Rel-6 service requirements.

The Technical Report will not be continued in Rel-6, instead the Rel-6 solutions will be discussed and agreed based on proposed CRs against LCS stage 2 specification 23.271."

Outstanding Issues:

The Stage 3 CRs to include the basic network solution to support Service Type Privacy, Requestor and Codeword features in Release 5 are for approval in CN Plenary #16. There are also corrective CRs (Category F) for Stage 2 approval in SA Plenary #16.

If these CRs are approved, there should be no outstanding issues in Rel-5 support for LCS user privacy as described in stage 1 TS22.071.

Contentious Issues:

None.