Abstract

Location management being a major part of cellular network provides mobility to mobile subscribers. The current location information is required to route the call correctly to the recipient irrespective of its current location. The current HLR/VLR architecture for location management in standards like IS-41 & GSM suffers from call setup delay due to network
congestion and also prone to failure due to its centralized nature. This paper attempts to make an evaluation of the optimized location management techniques suggesting fully distributed, hierarchical and multi HLR approach against the conventional one and also highlights the pros and cons of all the reviewed techniques.

Reference

- Vijay Kumar, Mobile Databases, JOHN WILEY & SONS, INC., PUBLICATION
Index Terms

Computer Science
Communications

Key words

Mobility Management
Location Management

Location Area (LM)
Area (LA)