Abstract

Location management plays an important role in guaranteeing the effective operation of Personal Communication services (PCS). In this paper a dynamic VLR (visitor location register) based location management is introduced for PCS networks. In this, MSC gathers the details about mobile terminals (MT) and performs location registration. This scheme is analytically examined for Omni directional movement of MTs and also it reduces the location management cost.

References

- Koteswararao Kondep & Chiranjeev Kumar, "An Effective Pointer-Based HLR Location Registration Scheme in Location Management for PCS Networks", Proceedings
- Sanjay Kumar Biswash & Chiranjeev Kumar, "Distance Direction-Probability Based Location Management Scheme for Wireless Cellular Network," Proceedings of the National Seminar on Recent Advances on Information Technology (RAIT-2009) held at Indian School of Mines University (ISMU), Dhanbad, pp. 30-38, Feb 2009.
- Sanjay Kumar Biswash and Chiranjeev Kumar, "dynamic VLR Based Location Management Scheme for PCS Networks," International Conference on Methods and Models in Computer Science, 2009.

Index Terms

Computer Science
Mobile Communication
Performance Analysis in Dynamic VLR based Location Management Scheme for the Omni Directional Mobility Movement for PCS Networks

Keywords

PCS  Location Management  Call Delivery  Mobile Terminals (MTs)  Location Area