Abstract

The main aim of cellular mobile communication is to discover existing location of mobile terminals to distribute the service, which is well-known as location management. The LM involves tracking of mobile terminal's up-to-date location, which moves freely across different cells in order to provide them services. Every MT undergoes some number of updates when passes through a specific region. One such scheme is reporting centre in which, some of the cells are designated as reporting centres and all close by cells up to the next reporting centre belong to vicinity of same reporting centre. MT updates its location whenever it crosses vicinity of its current reporting centre, which happens no more than when it enters into another reporting centre and therefore a LU is triggered. To deliver a call, network pages current reporting centre and its whole vicinity simultaneously to locate the target MT. We have applied prediction-based selective paging on reporting centre scheme in cellular mobile networks, which reduces paging cost without affecting the location update cost. Paging cost along with LM cost for both the conventional and proposed schemes will be updated consequently which gives the results.
An Activity based Selective Paging Scheme for Reporting Centre in Cellular Mobile Networks

- Ashish Goel, Navankur Gupta and Prakhar Kumar, "A Speed Based Adaptive Algorithm for Reducing Paging Cost in Cellular Networks", 2nd IEEE International Conference

Index Terms

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Keywords are your own designated keywords which can be used for easy location of the manuscript using any search engines.