Abstract

LEO satellites have important advantages such as low power requirements, low propagation
delay and more efficient spectrum delay over MEO and GEO satellites. But, the handover management in LEO satellite becomes challenging for supporting global mobile communication. Here we propose cost analysis of a new method of introducing a location manager which will store the previous ip s depending on users choice and comparing the new ip address with the stored one and taking the decision whether to register or not. This method also reduces the binding updates and the packet loss during communication. It is the most useful process when the previous ip addresses are repeated for several times during a short span.

References

- Satellite Mobility Pattern Scheme for Centrical and Seamless Handover Management in LEO Satellite Networks Ays¸eg¨ul T¨uys¨uz and Fatih Alag¨oz
- J. T. Malinen and C. Williams, &quot;Micromobility taxonomy,&quot; Internet Draft, IETF, Nov. 2001
Cost Analysis of Mobile IP for the Repetitive IP Stations during a Short Period of Time


Index Terms

Computer Science Wireless Communications

Keywords

Low Earth Orbit (leo) Propagation Delay Location Manager Satellite Networks Binding
Update