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| Abstract |  |
| The IP Multimedia Subsystem (IMS) delivers multimedia services using IP integrated voice and packet services. IMS also provide users seamless connectivity. In this paper a location tracking system for IMS is developed track the location of a device. The existing testbed that supports Session Initiated Protocol (SIP) had been developed in the UTM MIMOS Coe, Universiti Teknologi Malaysia. However it is using 2D location tracking mechanism. The 2D location tracking mechanism only supports tracking the mobile unit position in the same level and provides handover or device switching. However if the user need to go to another level, user will have to disconnected the connection. This paper proposed a 3D indoor location tracking for mobile units allow roaming with SIP support. The location tracking will in a way help the user by providing seamless mobility at all services level. This paper present the initial results for the 3D location tracking tested at one level. |