

Proposal No. 30
(Proposal details for the R&D scheme of USOF)

Subject: LiFi enabled Location Accuracy

Problem Statement	User Location can be accurately determined up to 1 meter by placing LED with LiFi capability. The challenge is to find LiFi transmit module that can be connected to Any LED and develop the android/iOS app that use camera sensor for receiving Lifi led data.
Problem Description	Every LED don't support LiFi driver integration. So a flexible LiFi transmit module is needed that can be integrated with most of the LED. After installing there is need of IOS/android app that read the data sent by given LED to locate user.
Future Expectations	Locate user with LiFi

Format of Response

Companies / organizations / institutions / individuals developing enabling technologies / modules / components / subsystems / products are required to respond in the format provided in Annexure-A, on the DOT website ([link address provided- refer "format of response"](#))