



Iridium Satellite Solutions'

We are pleased to advise the provision of satellite communications to EIT data recording systems via the Iridium network.

Using EIT software it is now possible to view real time data, undertake diagnostic checks and upload information from a remote site no matter where on earth your system is located.

The Iridium satellite constellation comprises of sixty - six, earth orbiting satellites which provide voice, fax, data, and SMS services.

EIT data recorders can be supplied with Motorola L Band Data Modems for communication from a PC using the Iridium satellite network.

There are two ways to connect to an EIT data recorder using the Iridium network :-

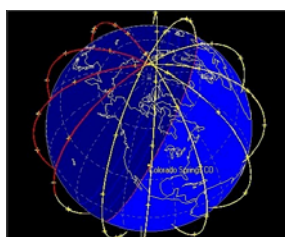
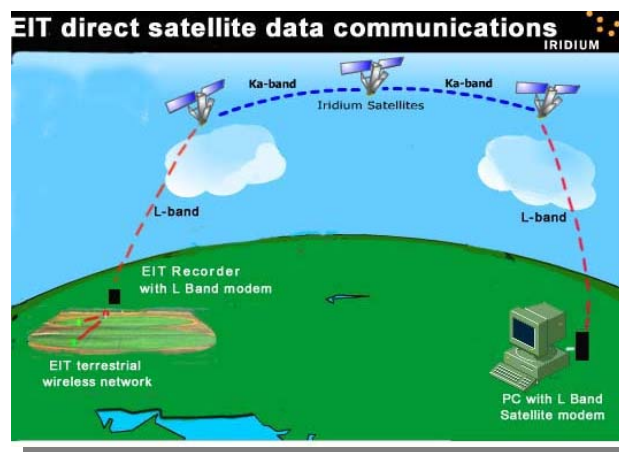
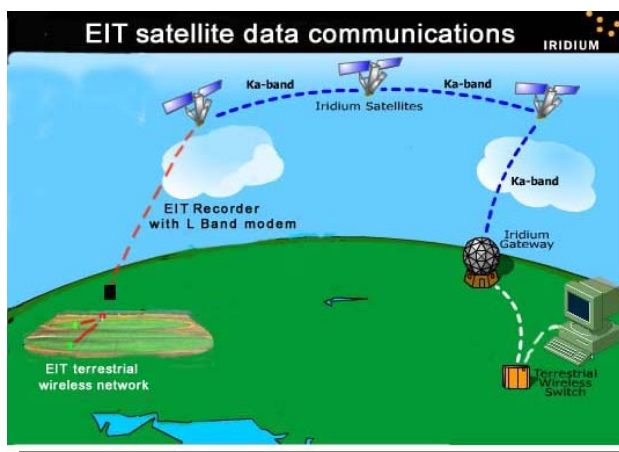
1. Dial the EIT data recorder from your PC via an earth station gateway accessed from standard terrestrial telephone network.

or

2. Direct via L - band modem attached to PC

For direct PC – Recorder link you require an L band satellite modem at your PC. The modem antenna will need to be located in an out-of-doors setting in a clear area with unobstructed view to the sky. This communication technique eliminates the need to connect via the terrestrial gateway.

Combined with EIT terrestrial telemetry, this satellite communications provides a very powerful data collection system for very remote areas



Iridium satellites travel in polar orbits and are positioned to provide continuous coverage of the earth surface.



Iridium Flare

Just for interest. The Iridium satellites are relatively small satellites orbiting the earth at an altitude approximately 700 kms. The satellites often reflect light from their antennas causing what is termed an Iridium flare which can last up to two seconds. There are a number of web sites which discuss Iridium flares with some sites offering Iridium Flare prediction software

