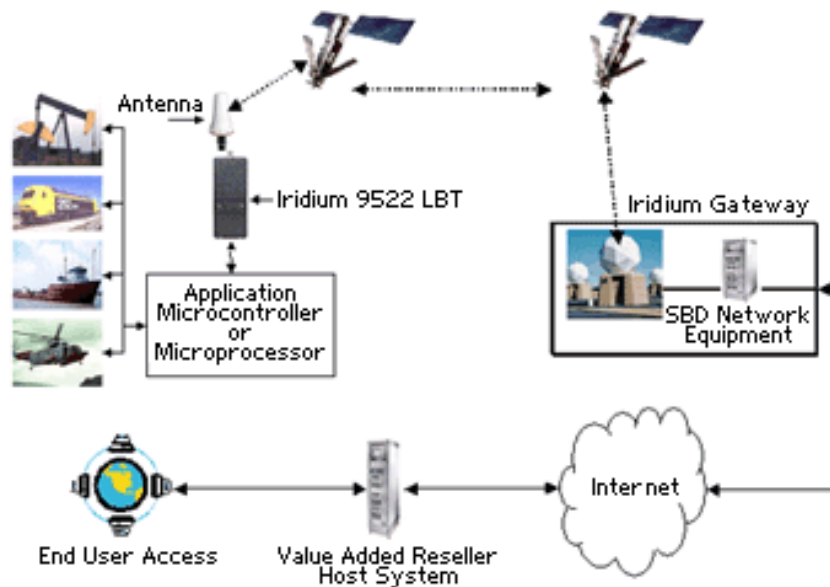


Short Burst Data

Iridium Short Burst Data (SBD) service is a new data service that enables value-added applications to send and receive short data transactions efficiently over the Iridium network.

Service Details

- The Iridium Satellite network enables SBD to be offered on a global basis through a single network point of presence. However, this is subject to appropriate licensing and regulatory conditions. The basic architecture is illustrated in the diagram below:



- Remote Applications send Mobile Originated SBD (MO-SBD) data messages via an Iridium 9522 L-Band Transceiver ("LBT"). The application microcontroller or microprocessor communicates with the LBT using AT commands over an RS232 serial port. The application loads the data message into the LBT and instructs it to send the data message. The data message is transmitted across the Iridium satellite network utilizing inter-satellite links to reach the Iridium Gateway. From there the data message is transferred via e-mail to the VARs host computer system. Here the message is stored in a database for further data processing.
- Mobile Terminated SBD (MT-SBD) messages are sent to the Iridium Gateway via e-mail from the VARs host computer system. MT-SBD data messages are delivered to the LBT following a MO-SBD or "mail-box check" initiated by the remote application
- The maximum length of a MO-SBD message is 1960 bytes. The maximum length of a MT-SBD message is 1890 bytes. Global network transmit latency for delivery of messages ranges from approximately 5 seconds for short messages to approximately 20 seconds for maximum length messages