

SATLOC®

A CSI Wireless Company



e-Dif Extended Differential Technology

Satloc's patented e-Dif technology is capable of achieving GPS accuracies of a few feet without the need for a differential signal broadcast.

- **Eliminates differential subscription fees**
- **Reliable performance without the limitations of a differential signal broadcast**
- **Available worldwide**

Accurate

The e-Dif technology provides accurate guidance with a single, inexpensive Satloc GPS receiver. e-Dif typically maintains less than a 3 foot drift over a period of forty minutes. Because the accuracy variations are very gradual, e-Dif provides very accurate alignment between successive swaths.

Reliable

e-Dif is ideal for locations where other differential services may be limited or expensive. In locations where differential services may be free and readily available e-Dif is a reliable back-up differential option. Satloc's dual application receivers make it easy to switch between differential options such as WAAS/EGNOS, OmniSTAR, Beacon/300kHz and e-Dif.

Air and Ground

e-Dif is particularly useful in air applications where long flights or ferries to the field are necessary, and where low drift and no jumps in extreme turns is warranted from the guidance system. On the ground, operators use e-Dif in place of foam markers to maintain proper row spacing.

How It Works

e-Dif generates internal differential corrections based on the starting location. The differential corrections are modeled over time and applied to the GPS data in order to maintain a very consistent relative position. The operator can use e-Dif over long time periods with a minimal drift in accuracy or return to the starting location at any time to update the differential corrections.

Note: The location provided by an e-Dif receiver is accurate relative to an arbitrary reference point. The location reported hours or days later may not match the previous location unless the reference point is marked and saved by the user.