Safe Strike

Safe Strike is an application created for JTACs, LOs and Forward Observers.

It’s aimed at increasing the ease, speed and accuracy of the field targeting process, while maintaining the control over the most critical safety aspects in an air or indirect fire strike.

It shows, directly on an interactive map, a synoptic and clear overview of the data most prone to be confused or misinterpreted, and provides on-screen sophisticated topographic functions together with one-tap format conversions.

Safe Strike runs on iPhones/iPads™ fully MIL-STD-810-G compliant.
Topographic Features

- Full on-line map management through Google Maps™ sat view.
- Full off-line map management by using maps pre-loaded by the user.
- Automatic map import from Ozi Explorer™.
- Automatic zoom level detection and map switch, when more than one scale available.
- User defined map activation, in order to allow multiple thematic maps at the same scale. User decides which one to show at any given time.
- One-tap on screen coordinates conversion, between DMT, DMS, UTM, MGRS, WGS84, ED1950.

- All coordinates formats summarized for each waypoint in WP list view.
- Direction between any two waypoints in degrees or mils.
- Distance between any two waypoints in meters or nautical miles.
- Altitude difference between any two waypoints in meters or vertical angle in mils.
- Waypoint generation from map, from coordinates or using projection from any other waypoint.
- In waypoint creation screen, all coordinates formats supported.
- GPS accuracy always shown in map view.

Fire Control Support

- Safe attack heading for laser designation automatically derived and shown in map view.
- 9 line automatic generation (IP, direction, distance, coordinates, friendly position and danger close check are filled in by the app).
- Call for fire automatic generation (coordinates, direction and distance are filled in by the app).
- Emergency CAS briefing automatic generation.
- Danger close graphic and distance check for GBU-12, 16, 10, 24, 38, 32, 31, 39, agm 65, gau-12, artillery and naval gunfire. Extra bombs/weapons easily added by the user.
- Target location error always included in JDAM effect radius for maximum safety.
- Artillery and mortar max ranges shown on map together with Gun-to-target lines to selected target.
- Cardinals, artillery and keyhole overlays in map view. Gun-to-target lines shown in keyhole for integrated controls.

External interface

- Wireless connection to any device with a serial output (like external GPS or LRFs).
- Data received automatically converted into interactive waypoints, with dynamic calculation of TLE based on compass accuracy, laser accuracy and distance to target.