RO®-MOBILE
AWARENESS PLATFORM
(RO-MAP)
The RO-MAP is a software application that runs on a personal data assistant (PDA) or smartphone and provides vital situational awareness (SA) information quickly and reliably. It utilizes the functionality of a PDA along with the beyond line-of-sight (BLOS) capability of the RO tactical radio to provide a common operating picture (COP).

Not only can the RO-MAP obtain position location information (PLI), text messages and reports from other RO tactical radio users, it can also be used as a remote control device for the RO tactical radio. All commonly used functions of the radio can be controlled and monitored including speaker volume and networks assigned.

The PDA connects to the RO tactical radio through the 6-pin RS-232 data/audio port. When connected, the RO tactical radio is configured to operate in data collector mode. This feature provides position awareness of all RO tactical radios within 100-250 miles that are on the same network. The position location information is then graphically displayed on the RO-MAP situational awareness application. The RO tactical radio transmits location based on time, distance or when the push-to-talk switch is depressed.
The RO-MAP uses a rugged PDA and the RO tactical radio to provide friendly force tracking (FFT), text messaging and RO tactical remote control.

**MAPPING**
> Map pan and zoom capability
> Map centering on any position
> PLI ‘drill down’ for detailed information
  - Call sign (IMEI/Alias)
  - Group (Net #)
  - GPS Msg ID, GPS data, GPS UTC
  - Latitude
  - Longitude
  - Altitude
  - Accuracy
  - Speed
  - Climb
  - Grid zone
  - Grid position
  - Bearing

**MESSAGING AND REPORTS**
> Text message alerts
> Message storage
> Chat area for broadcast messaging
> Send and receive common reports
> Broadcast or point-to-point addressing

**RO TACTICAL RADIO REMOTE CONTROL**
> Talker mode active indicator
> Listener mode active indicator
> Registration status indicator
> Signal strength indicator
> Battery level indicator
> Active net selection and identification
> Secondary net selection and identification
> Volume level
> LED level

**RO-MAP CONFIGURATION KIT**
The RO-MAP configuration kit is a pre-loaded laptop with software to generate map data for the RO-MAP.
> Map position identification naming so that identified positions can be sent to other units
> Dialog boxes copied to the clipboard for easy texting

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>RUGGED PDA</th>
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<tbody>
<tr>
<td>Processor</td>
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<tr>
<td>Operating System</td>
</tr>
<tr>
<td>Memory (RAM)</td>
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<tr>
<td>Display</td>
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<tr>
<td>Touchscreen</td>
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<tr>
<td>Size</td>
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<td>Weight</td>
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<td>Case</td>
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<td>Keyboard</td>
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<tr>
<td>Environmental</td>
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<td>Shockproof</td>
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<tr>
<td>Power</td>
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<td>Battery easily changed in the field without tools</td>
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<td>Power off mode extends battery during long periods of inactivity</td>
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The RO-MAP software can also run on other devices and operating systems
*RO-MAP specifications are subject to change*
FAST. FORWARD.