



## Datasheet



# Vessel Monitoring System app

**Satellite-based vessel tracking and regulatory compliance reporting**

SKYWAVE® terminal apps provide additional functionality and data efficiency without requiring custom programming so IoT solution developers can build better products faster. We offer a wide range of terminal apps across multiple industries, backed by free software updates and our industry-leading technical support, to help reduce development costs, quicken time to market and unlock new industrial IoT capabilities.

Our Vessel Monitoring System (VMS) terminal app enables secure, reliable and configurable vessel tracking and monitoring for the commercial fishing and maritime logistics industries, helping end users meet global regulatory standards. When used with the Mail terminal app, the VMS app can enable ship-to-shore messaging capabilities backed by optional satellite-based email for improved remote communication.

The app provides users access to:

- Enhanced support for VMS mandates with configurable position reporting to meet government and fisheries regulations

**Enhanced support for VMS mandates with configurable position reporting**

**Live alerts for zone entry and exit across up to 128 configurable zones**

**Tamper detection to detect unauthorized access or equipment issues**

**Flexible message routing to multiple backend applications**

- Behavior monitoring to track vessel location and movement at standard time intervals for fishermen or accelerated time intervals for regulatory bodies
- Onboard geofencing to monitor boundary violations, with live alerts for zone entry and exit across up to 128 configurable zones
- Tamper detection to detect unauthorized access or equipment issues, including alerts for GPS jamming, power loss and hardware disconnection

- System operativity statuses via a separate interface unit to help meet regulations
- Flexible message routing to multiple backend applications so compliance reports can be sent to regulatory agencies and to the backend platform.

## Location tracking and reporting

- Provides configurable periodic reports (standard or accelerated)
- Enables manual poll-based position reporting
- Provides access to log reports for compliance

## Geofencing

- Up to 128 user-defined onboard geofence zones
- Triggers automatic entry and exit messages
- Provides status updates when inside geofences

## Tamper detection and system events

- Triggers reports in case of:
  - GPS jamming/blockage
  - Antenna obstruction
  - Disconnection from power
  - Disconnected hardware (Interface Unit LED panel, RS-232 client)
  - Loss of cellular connectivity (optional)

## Interface Unit support (optional)

- Displays LED indicators for power, satellite, GPS and terminal activity
- Configurable flashing behavior

## Satellite email (optional)

- Requires Mail terminal app and email proxy
- SMTP/POP3 support via serial or Bluetooth connection
- Display status via Interface Unit

*Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check [www.skywave.com](http://www.skywave.com) to ensure you have the latest version of these specifications.*

Terminal apps are available by subscription. Subscription fees are charged monthly for each activated terminal. For more info, contact your **SKYWAVE** account manager or [sales@skywave.com](mailto:sales@skywave.com) | Call: **1-800-672-2666**

Visit our website [www.skywave.com](http://www.skywave.com)

SKYWAVE, an ORBCOMM company, is a global provider of IoT solution enablement technology. We empower solution providers, system integrators and OEMs to serve their customers through satellite and cellular managed IoT networks and a complete application enablement platform. We provide a fully integrated ecosystem of purpose-built devices, data automation and connectivity services for high-reliability, low-data solutions. SKYWAVE is where IoT powers mission-critical applications for the transportation, agriculture, oil and gas and maritime industries.