

Overview

At all airports, worldwide, ground vehicle incursion into critical safety areas is rising. Vektor minimizes the risk by using a fully standards compliant, vehicle-mounted ADS-B transmitter that continually broadcasts a vehicle's location. The transmitter can be permanently or magnetically mounted to all airside vehicles, including tugs, fire, rescue and de-icing equipment. Each vehicle is clearly and uniquely identified, providing an essential addition to any surface movement guidance and control system.

The design of Vektor ensures easy integration and interoperability with any multilateralization or ADS-B system based on ICAO Annex 10 defined Mode S Extended Squitter datalink.



Specifications

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|-------------------------------|---|---|---------------------------------|
| Transmit Message Type | DF18 Identification, Surface Position and Operational Status Messages per DO-260B | Transmit Power | 20 Watts peak power |
| ADS-B Transmit Periods | | Transmit Frequency | 1090 ± 1 MHz |
| Surface Position | 0.5 secs - vehicle in motion 5 secs - vehicle at rest | Pulse & Spectral performance | DO-260B, DO-181C |
| Identification | 5 secs - vehicle in motion 10 secs - vehicle at rest | Vehicle ID | Field configurable |
| Operational Status | 5 secs - always | 24-bit ICAO ID | Field configurable |
| | | Operating Temperature | -45 to +80 °C |
| | | Input Power | 11 to 32 Volts DC, 1.5 Watts |

Features

- Improved situational awareness
- Safety enhancements under all weather conditions
- Reduced incursion risk
- SBAS-enabled GPS receiver and Mode S Extended Squitter ADS-B for highly accurate, reliable positioning
- Ability to automatically disable transmission when vehicle leaves movement area
- Low power consumption for connection to accessory power outlet
- Field configurable via secure WiFi
- IP67 enclosure
- Magnetic or mechanical mounting

Squitter Map Application

