TCG Automatic Dependent Surveillance-Broadcast (ADS-B)

Data Links Simplified

Enhancing TCG BOSS® and TCG GTS®

Curtiss-Wright's TCG Automatic Dependent Surveillance-Broadcast (ADS-B) capability provides precise, real-time situational awareness for local civilian and commercial air traffic. By adding ADS-B data processing to your TCG BOSS or TCG GTS, you can increase situational awareness by including non-data link reported, real-time air tracks into your common operating picture.

Real-time Correlation and Filtering

TCG ADS-B data can be automatically correlated to existing Link 16 air surveillance tracks and Precise Participant Location and Identification (PPLIs) or be reported as new surveillance tracks creating a more complete air picture. This detailed air picture allows for greater safety of flight for training in ranges, special-use airspaces, and battlefield operations. Geographic filtering by filter center, range, and altitude allows reporting of only the ADS-B tracks in areas of interest.

Complete Coverage

TCG ADS-B receiver operates at both 978 MHz and 1090 MHz, providing support for both ADS-B and Mode S with enhanced surveillance. It can be operated in both active (reported on Link 16) and passive (local display only) modes.

Curtiss-Wright is the leading independent supplier of TDL software solutions for military communication systems. Curtiss-Wright's comprehensive portfolio of TDL testing, training, simulation, and battlefield operations solutions provide warfighters with proven multi-link communication capabilities that optimize performance and increase mission effectiveness, and is the leading TDL solution set used by militaries around the globe.

Ordering Information

Contact Curtiss-Wright for ordering information.

Key Features

- 978 MHz and 1090 MHz operation
- Mode S support with ES
- Active and passive mode operation
- Automatic track correlation

Applications

- Enhanced situational awareness
- Enhanced training
- Link 16, JREAP, SIMPLE, SADL, and DIS operations, training, and tactical display