

# ADS-B INTEGRITY™ App for System Installations

On January 1, 2020, per Advisory Circular (AC) 20-165B when operating in the airspace designated in 14 CFR § 91.225 all aircraft must be equipped with ADS-B Out avionics that meet the performance requirements of 14 CFR §91.227.

Today's systems are complex, not always configured properly or experience compatibility issues between GPS receivers and ADS-B transmitters, resulting in improper reporting of DO-260B squitter data. Having the right equipment to verify installations is beneficial to support STC certification per 20-165B and post approval for aircraft meeting STC configuration requirements.

VI



## Test Categories

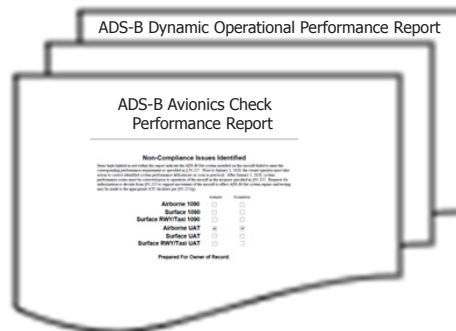
Test per 20-165B and FAA ADS-B Aircraft Operation Performance Report

- Positional Accuracy
- VFR Code
- Ident
- Vertical Rate
- Aircraft Length
- Aircraft Width
- True Airspeed
- Magnetic Heading
- GPS Antenna Offset X
- GPS Antenna Offset Y
- GPS Latitude Position
- GPS Longitude Position
- Mode 3/A Code
- Mode S Address
- Anonymous Address
- Call Sign / Flight ID
- Aircraft Type
- GPS Altitude
- NACbaro
- NIC/NUC
- NACp
- GVA
- NACv
- SDA
- SILsupp
- Version
- Source Integrity Level
- Pressure Altitude
- UAT In
- 1090ES In
- Air / Ground State
- System Latency
- Velocity
- Val
- eVAL

## PC Application



## Performance Reports



## Benefits

- Verify Installations
- STC Support
- Troubleshoot issues prior to flight
- Eliminate Post STC Operational Flight Evaluations (OFE)
- Saves time / reduces expense
- Advisory Circular 20-165B Performance
- ADS-B Aircraft Operation Performance Report



Emitec Messtechnik AG  
Birkenstrasse 47  
6343 Rotkreuz

+41 41 748 60 10  
info@emitec.ch  
www.emitec-industrial.ch



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