

Proven Solutions for ADS-B Out and Mode S EHS



Overview

iAccess Technologies and Canard Aerospace have ADS-B solutions for both military and commercial aircraft. The ADS-B Out / Mode S EHS modification enables equipped aircraft to automatically transmit precision aircraft position information to ATC. This allows the fleet to operate in restricted airspace worldwide in compliance with the ICAO/FAA /EASA ADS-B Out mandate and the EASA Mode S EHS mandate.

Access to Global Airspace

Automatic Dependent Surveillance – Broadcast (ADS-B) is part of the International Civil Aviation Organization (ICAO) Global Air Navigation Plan (GANP). The Federal Aviation Administration (FAA) Next Generation mandates ADS-B Out equipage by 1 January 2020. The European Aviation Safety Agency (EASA) mandates specific Mode S Enhanced Surveillance (EHS) requirements for aircraft operating in European state airspace by 7 June 2020. Aircraft that operate in FAA and EASA restricted airspace must comply with ADS-B Out and Mode S EHS mandates or face limited worldwide operations.

iAccess and Canard ADS-B Out / Mode S EHS Solutions

Our ADS-B Out and Mode S EHS modifications are proven low-risk solutions that provide unlimited access to civil airspace.



- ✓ Low Cost
- ✓ Simple Integration
- ✓ Proven Performance
- ✓ Qualified Components
- ✓ Certified on Multiple Aircraft Types
- ✓ Easily Adapts to Other Aircraft
- ✓ Both Civil and Military Aircraft



Contact Information:

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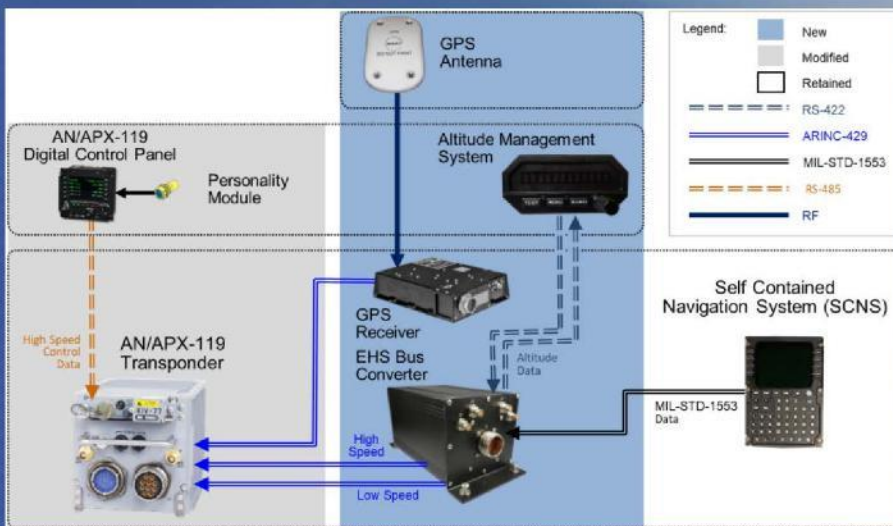
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Civil and Military ADS-B Out and Mode S EHS

iAccess Military Solution Architecture

The iAccess ADS-B Out / Mode S EHS modification for military aircraft is based on the solution installed on the USAF C-130H fleet. It enables equipped aircraft to automatically transmit precision aircraft position information to ATC. This allows the fleet to operate in restricted airspace worldwide in compliance with the ICAO/FAA/EASA ADS-B Out mandate and the EASA Mode S EHS mandate.



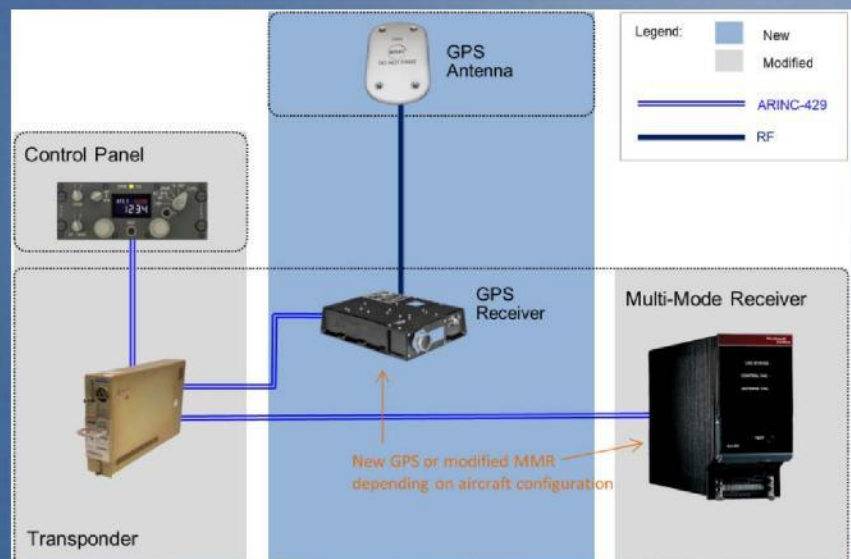
- ✓ AN/APX-119 Transponder & Digital Control Panel (DCP) for ADS-B Out Mode S EHS capability
- ✓ Altitude Management System (AMS) for crew entry of parameters
- ✓ EHS Bus Converter integrates with aircraft navigation processor to provide platform DAPs
- ✓ Civil GPS Receiver for GNSS DAPs
- ✓ No Degradation of current capabilities
- ✓ Supports C-130H1, H2, H2.5, and H3 variants (includes LC-130 MDS))

Canard Civil Solution Architecture

The Canard ADS-B Out / Mode S EHS modification for civil aircraft is based on solutions installed on Bombardier Q400, MD88/90, B717, B767, and B777 series aircraft. It enables equipped aircraft to automatically transmit precision aircraft position information to ATC. This allows the fleet to operate in restricted airspace worldwide in compliance with the ICAO/FAA/EASA ADS-B Out mandate and the EASA Mode S EHS mandate.

Canard Competencies Include:

- ✓ Installation kit design and fab
 - ✓ Wire harnesses fabrication
 - ✓ Structural part fabrication
 - ✓ Structural analysis
 - ✓ Damage tolerance analysis
- ✓ FAA/EASA certifications
 - ✓ 8110-3 approvals
 - ✓ STC's, EASA, TCCA approvals
 - ✓ PMA production approval
 - ✓ FAR Compliance Reports
 - ✓ In-house DER, DAR and DMIR
 - ✓ FAA/STC coordination



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