



BEYOND AIR TRAFFIC SURVEILLANCE: HIGH-FIDELITY DATA POWERING COMMERCIAL SERVICES

Aireon continues to rapidly grow its customer base and expand the possibilities of use for its data. This growth is driven by the fact that Aireon provides the first-ever, global set of historic and real-time Air Traffic Control (ATC)-grade data on aircraft movements. The aviation community understands the potential of this technology, along with the partnership with Aireon, to transform the way they approach safety, efficiency, separation services and overall customer experience.

What Makes Aireon Data Different?

Aireon's commercial partners and customers who wish to access high fidelity aircraft position data can utilize the Aireon cloud-based interface service. The Aireon cloud-based interface service processes and delivers Aireon data with minimal delay (low latency) and mission-critical availability.

Aireon will deliver enhanced flight data that provides partners with the only independent, certified, Air Traffic Service (ATS) surveillance-quality, aircraft position data with global coverage. Through advanced data fusion mechanisms, Aireon extends its Automatic Dependent Surveillance-Broadcast (ADS-B) messages by integrating a robust set of aviation data sources and derived metrics. This results in the ability to take actionable steps to improve operations. Since Aireon owns its ADS-B system, partners and customers gain full transparency, ensuring traceability of a highly accurate, highly reliable flight position. This also reduces the need to manage multiple, disparate data sources and enables the creation of new and innovative insights into operations and safety assurance processes.



Aireon's Safety and Security Commitment

Aireon's safety pedigree truly sets it apart from any other source, allowing for integration of the data across a spectrum of uses, from public facing tools to highly safety-critical environments as well as analytics.

Aireon is certified by the European Union Aviation Safety Agency (EASA) to provide Air Traffic Management (ATM)/Air Navigation Service (ANS) surveillance services, to support the separation of aircraft. This authorizes Aireon as the first-ever certified provider of aircraft surveillance-as-a-service.

All the benefits from the EASA Certification are passed along to Aireon's commercial partners and customers.

The importance of data security correlates directly with Aireon's strong commitment to safety. Aireon is overseen and managed under the strictest policies and processes to ensure our services and systems operate in the most secure manner possible.

From the aircraft to the customer and beyond, Aireon has implemented quality management procedures throughout the service management system and is guided by a commitment to continual improvement in the services provided to customers. This includes meeting the European Organization for Civil Aviation Equipment (EUROCAE) ED109/ISO 9000 requirements. Aireon data meets the toughest ATC standards used for separation services, by conforming to strict performance, cybersecurity and resilience requirements. Aireon is the only provider of this kind of data with full provenance, resilience, global coverage. As an entity providing surveillance services, Aireon is committed to making the safe delivery of space-based ADS-B data a top priority and avoiding the introduction of safety risks into its customers' ATM platforms.

For Aireon's certification, a rigorous set of audits have been executed that include:

- ▶ Aireon management processes
- ▶ Satellite Network Operations Center (SNOC) operations
- ▶ Aireon Processing and Distribution (APD) operations
- ▶ Contingency and disaster recovery site operations
- ▶ On-orbit service acceptance testing

The Sky Is Not The Limit

Aireon's data now goes beyond ATS surveillance and Aireon's partners and customers can utilize this unparalleled and unprecedented information to support their business and safety processes. Through advanced data fusion methodologies, integration of Aireon's data with other contextual data, Aireon presents the only ATS surveillance-quality and complete flight position source available.

