



CANSO Asia Pacific Conference 2019  
Thursday 23 May  
15:30 – 17:30

#### Sponsored Workshop

##### The North Atlantic is Just the Beginning: Space-Based ADS-B Takes Flight

Aireon's global database of real-time aircraft position data is a robust and unique repository of information which supports tactical ATC, global air traffic analysis, airspace and air route design, capacity and resource planning, predictability analysis for arrivals and departures and fleet optimization. Beginning in March of this year, the Aireon system commenced operations in the North Atlantic Ocean, Gander Domestic and Edmonton Domestic FIRs between NAV CANADA and NATS. ATCs are now monitoring more than one third of the world's oceanic traffic in real-time with vastly improved situational awareness and safety.

The North Atlantic is just the beginning. Now that the system is fully operational, additional Aireon customers will begin implementing space-based ADS-B data for ATC in the coming months.

In this presentation, Aireon will focus on the concept of operations with PNG Air Services Limited (PNGASL), in which the team is currently determining the ANSP's operational requirements to tailor the service offering. Their core need is to service overflight aircraft expanding surveillance coverage areas to areas where ground surveillance is impractical. Additionally, Aireon surveillance enables detection of low-level traffic in mountainous and rugged terrain, enabling a huge improvement for monitoring safety operations.

Aireon will delve into the regulatory requirements for ANSPs, including the work currently underway to ensure rapid implementation. Additional topics will include Aireon's data and how it can improve ATFM. ANSPs could now have the capability to reliably predict traffic volumes in their airspaces in several hours' time. With space-based ADS-B, no arrival will be a surprise. It is now a possibility to begin building efficient landing sequences from several hours out, allowing local conditions of traffic, weather and/or airline preferences to be considered.

Join Aireon for an exciting workshop on the status of the operational system and explore the future possibilities of the world's very first global, real-time air traffic system.

#### Speakers:

- **Mr. Peter Cabooter**, Vice President, Customer Affairs, Aireon
- **Mr. Adam Burfurd**, Business Development, APAC, Aireon
- **Mr. Ken McLean**, Special Adviser, APAC, Aireon
- **Mr. Jonathan Astill**, Vice President and General Manager, Air Traffic Flow Management Services, Aireon