

# IRIS : IMPROVED SITUATIONAL AWARENESS

**Data is valuable. Real-time data is priceless. Receiving information live as it happens, and being able to simply Push-To-Talk anywhere to communicate with the pilot about what's going on is invaluable.**

Efforts to modernize the Lakota Fleet should include a modern aircraft data and communications management system. This will allow beyond-line-of-sight (BLOS) Push-to-Talk (PTT) radio, and provide real-time fleet health monitoring, voice, video and data recording, along with a next generation air-to-ground data link. Modernization will greatly contribute to operational readiness in the following ways:

- The Guard is frequently called upon to operate in areas which have suffered severe damage to communications infrastructure. This can pose a significant command and control challenge. Beyond-line-of-sight radio solves this problem by operating outside the constraints of terrestrial infrastructure.
- Commercial flight operations have realized significant improvements in safety and maintenance through the use of modern data analytics to focus training. Software which provides an easy-to-consume fleet comparison between published Guard procedures and actual operations will improve efficiency of training. Long term trending is valuable for scoring training efforts.
- Aircraft WiFi supports the Guard's goal of lowering cost through the use of commercial off the shelf equipment (COTS).

The Outerlink IRIS system provides accurate, timely and effective asset communications, as well as tracking, field and fleet management solutions and extensive computer-aided dispatch integration to meet current and emerging Homeland Defense and Domestic Response Requirements to fill ARNG Aviation Modernization Gaps.



## The Obvious Solution

- Real-time aircraft tracking
- Push-to-talk (PTT) radio, with Voice over Internet (VoIP)
- Real-time fleet health monitoring, recording and next gen satellite communications
- Critical maintenance and operational data, easily consumable from a fleet perspective
- Immediate communication air-to-ground, ground-to-air or air-to-air
- Secured by 256-bit Advanced Encryption Standard (AES256) to avoid cyber threats
- WIFI for connecting carry on devices to critical data sources