



Northeast Ohio Flight Information Exchange (NEOFIX)  
Stakeholder Meeting  
Wednesday, February 21, 2024 at 12:30 PM (EST)

**Stakeholders:** <https://bw-centers-tech-partnerships.org/members-supporters>

**NEOFIX Site:** <https://oh-fix.com>

**Service Area Sensors:**

## Minutes

**Governance:** The governance discussion focused on user groups and categories. There were deliberations on the roles of an Advisory Committee regarding data upload and grouping. For example, stakeholders seek clarity on the manual entries of Temporary Flight Restrictions (TFRs), including groupings and approvals by a standing Advisory Committee with dedicated roles and responsibilities. Action items are to prioritize groupings and establish clear responsibilities with succession planning.

**Security Measures:** Stakeholders inquired about the current security measures, the ability to keep pace with changes, and the sophistication of security. An explanation of the three levels of system visibility—unrestricted, sensitive, and restricted—was provided. Additionally, all data entries in the system are assigned a Point of Contact (POC). The Security Overview is attached to these minutes.

**Sensor Integration:** The utilization of organic sensors from DJI AeroScopes at the Cleveland Browns Stadium and Ohio Aerospace Institute (OAI) are limited to DJI broadcasts and transmission signatures. The next objectives are to incorporate Radio Frequency Identification (RFID) and Automatic Dependent Surveillance – Broadcast (ADS-B) at Burke Lakefront Airport and install Echodyne radars as part of sensor diversity.

Stakeholders are seeking a baseline sensor comparison from Virginia. For example, the placement, amount, and capabilities for optimal coverage of different aircraft models and signal ranges are a starting point for advancing Ohio's sensor roadmap.

Stakeholders inquired about public access to sensor data and associated costs. Insights could inform original equipment manufacturer (OEM) strategies and implementation within the aircraft, which was noted as an ongoing FAA concern.

Next steps relative to sensor integration include the following:

- Defining requirements to reflect actual needs and usage patterns, with vendor input for best practices, pricing, and business model alignment with NEOFIX objectives.
- Consideration of a scouting report and existing research for decision-making support.

- Determination of sensor configurations accompanied by a survey for further intelligence.
- Ensuring clarity on sensor utility for critical infrastructure.

### **Action Plan**

- Prioritize governance groupings and establish clear responsibilities with succession planning.
- Review the Security Overview attachment and advance discussions.
- Action the next steps (listed above) for sensor integration.

### **Next Meeting**

The next in-person meeting is April 16 at a location and time to be determined. This meeting will be held in conjunction with the Northeast Ohio Public Safety Unmanned Response Teams (NEO-PSURT). Registration will be available shortly.

### **Attachment**

Security Overview

21 FEB Presentation Slides

Security is critical to trust in aviation systems and in pursuit of aviation safety. ATA Aviation (ATAA) complies with both National Institute of Standards and Technology (NIST) 800-53 Security and Privacy Controls for Information Systems and Organizations and Virginia Enterprise Cloud Oversight Service (ECOS) Assessments. ATAA incorporates third party assessment findings into development practices and product plans. ATAA approaches security from a Risk Management perspective, identifying and evaluating risk for both the overall scope and severity of potential risk.

ATAA follows a Design Control process that includes rigorous design review, code review, code scanning, integrated automated testing, logging and monitoring, and configuration management. ATAA reviews and assesses systems in compliance with the NIST 800-53 framework. There are many NIST 800-53 controls; ATAA summarizes these using a Confidentiality-Integrity-Availability framework for data security and protection.

### **Confidentiality**

- Access is controlled using dedicated authentication credentials for users and accounts.
- Programmatic access is controlled using authentication credentials, is fully encrypted, and requires all organizations to sign a non-fiduciary interconnect agreement.
- Systems use a three-tiered, role-based access (RBAC) data sharing architecture that divides data into public data, redacted data, and restricted data. Programmatic and public access is logically and physically restricted to public and redacted data.
- Data is encrypted at rest and in transit using Advanced Encryption Standard (AES) 256, Federal Information Processing Standard (FIPS) 140-2 mechanisms at a minimum.
- User access is managed through a programmatic user management function, and password and credential best-practices are enforced.
- The system does not collect personally identifiable information (PII) or payload data.

### **Integrity**

- All data is regularly backed up using a cloud service.
- All data is encrypted, and access is controlled.
- All data must have a data owner who is responsible for quality and integrity.
- When data is added to the system it goes through an automated validation process.
- A regular data management and review process maintains data integrity.

### **Availability**

- Real-time scanning, monitoring, and logging automatically identifies issues.
- ATAA has a detailed incident response policy and adheres to service level agreements.
- ATAA uses deployment automation to correct errors and deploy security patches and updates with design control and configuration management.
- Uptime and latency goals of 99.999% availability and sub-second latency.





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Northeast Ohio Flight Information Exchange

# Stakeholder Meeting

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21 FEB 2024

# Agenda

- Events
- User Accounts
- NEO-PSURT
- New Features
- Discussion Items
- Q&A

# Critical Infrastructure Modernization Forum

- 190 Registrants
- 100 Organizations
- Theme: Unlocking Advanced Air Mobility
- Learn More: <https://criticalops.com/cim-24-details/>
- CIM25: Email your needs (chelsea@criticalops.com)



**CRITICAL INFRASTRUCTURE MODERNIZATION FORUM**  
Presented by Critical Ops

**Unlock Advanced Air Mobility**  
Join us in shaping a world where the sky is no longer the limit, but the beginning of a new era in mobility and infrastructure. Connect with:

- Innovators
- Decision-Makers
- Visionaries
- Customers

**EVENT SCHEDULE**

**01.29.24**  
Westlake, OH

**REGISTER**

**12 PM** EXHIBIT HALL OPEN

**1 PM** KEYNOTE ADDRESS  
**Joseph Zeis**, Senior Advisor for Aerospace and Defense to Ohio Governor Mike DeWine

**2 PM** SESSION 1

- **Main: Data Management**  
Northeast Ohio Flight Information Exchange
- **Workshop 1: Manufacturing 4.0**  
Michael Yost, Director, Manufacturing Excellence, Manufacturing Works
- **Workshop 2: Pharmaceutical Delivery**  
Geoffrey Gates, Senior Director, SCSS P2P & Technology, Cleveland Clinic

**3 PM** PANEL DISCUSSION  
**Strategic Growth: Funding and Opportunities**

**4 PM** SESSION 2

- **Main: Panel Discussion**  
Regulatory Environment
- **Workshop 3: Hybrid Threats**  
Jason Carnes, Principal Security Advisor, Federal Highway Administration  
Franbi Franco, Cybersecurity Advisor, Federal Highway Administration
- **Workshop 4: Supply Chain**  
David Stefanich, CEO, Rymedi Inc.

**SIBLING REVELRY BREWING**  
WESTLAKE OHIO

**THE EVENING + EVENT**  
Be sure to join us after the Forum for Flights after Flight. Unwind, engage, and be part of something exceptional.

# Upcoming Events

- **Aerial Drone Competition:** 2 MAR at Tri-C (3409 Woodland Ave) from 8 AM – 4 PM
  - Link: <https://www.robotevents.com/robot-competitions/adc/RE-ADC-23-5186.html#general-info>
- **The Ohio Air Mobility Symposium:** 4-5 MAR (Ohio Statehouse, Columbus)
- **Drone Responders Conference:** 12-13 MAR (Busch Gardens, Williamsburg, VA)
  - Link: <https://www.droneresponders.org/post/droneresponders-national-public-safety-uas-conference-march-2024-1>
- **Quarterly Stakeholder Meeting:** 16 APR (with NEO-PSURT) at TBD Location and Time
- **Ohio Aviation Association (OAA) Annual Conference:** 30 APR – 2 MAY at Renaissance Downtown Columbus
- **Akron-Canton Airport (CAK) with Team NEO:** 22 MAY at TBD Time

# NEO-PSURT

- Primary Link: <https://www.facebook.com/NEOPSURT/>
- Focus: Coordination of Public Safety UAS Resources in Northeast Ohio and the State of Ohio
- DRONERESPONDERS Webinar with FAA's Mike O'Shea
  - 13 MAR @ 4 PM
  - 10 APR @ 4 PM
  - 16 APR @ TBD (in-person exchange)
  - 8 MAY @ 4 PM
  - 12 JUN @ 4 PM



# **\*\*NEW\*\*** NEOFIX Features

- Advisory Grouping Functionality
- Improved Search
- AirDEX Data Updates
- Sensor Integrator Updates (Live UAS Positions)
- UX and Workflow Improvements

# Discussion Items

- Select enablement areas and locations (method, risk, operational opportunity, partners)
- Data assets and discovery
- Future data management and retention



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Q&A

