



Northeast Ohio Flight Information Exchange (NEOFIX)

Sensor Integration and Planning Group Stakeholder Meeting

Wednesday, May 24, 2023

Group Lead: Scott Drew, ATA, LLC and Kyle Snyder, Michael Best Consulting

Description: Use the use cases and work from the Design and Configuration Group to identify sensor needs and build out an MVI deployment plan and support direct sensor integration into NEOFIX to meet the needs identified in the risk mitigation plan.

Outcome(s): Based on the ground space data (DataSharing) and configuration (Design), develop a set of proposed phased incremental rollouts of sensor infrastructure in the NEOFIX area.

- Objective 1: Proposed ground sensor coverage map, by area and modality, for Cleveland Clinic Administrative Campus and Cleveland Lakefront
- Objective 2: Initial proposed Performance Baseline given risk mitigation strategy.

Meeting Agenda:

- What are the operational risks associated with the proposed operations based on the Risk Mitigation?
- What can we observe about the Ground Risk based on the Risk Mitigation?
- What types of ground-based infrastructure support operational goals and risk mitigation?
- What specific service volume(s) can we identify? What services may be necessary in these volumes?
- What performance baseline metrics should we build?
- When is the next meeting date for the Integration and Planning group?

Meeting Minutes:

Stakeholders exchanged the bulletized ideas during the discussion.

- Assessing weather systems, road weather systems, radar, and climatology to determine risks and sensor solutions.
- Interested in low-cost sensor deployment, including crown towers and anemometers.
- Planning to present their findings and sensor solutions to the group.
- Requesting information on rooftop areas accessible to Kyle.

- Sensors could be wrapped up with other sensors to facilitate city approval.
- Need to create an as-is mapping of sensor locations.
- Weather piece to be layered in the next steps.
- Working with ATA for weather integration.
- Access to COWs (Cellular on Wheels).
- Need to understand the full coverage area and local constraints.
- Have access to specifications.
- Considering equipment deployment and sensor placement based on routes and requirements.
- Scrubbing sites and optimizing sensor deployment once a clearly defined plan is in place.
- Need a clearly defined plan of deployment for further scrubbing of the sensor list.
- Identifying the best locations for equipment deployment.
- Ohio has minimized laws related to fireworks. NEOFIX concept is a public-centered infrastructure asset with different security levels.
- FAA is seeking consistency and collaboration for a common goal.
- Priority on public-private coordination in public safety emergencies.
- Planning to incorporate inventory and roster for mutual aid into the planning aspect.

Next Meeting. The next group meeting is pending in June. The in-person group meeting is scheduled for June 21, 2023, at Baldwin Wallace University Knowlton Center, Second Floor, from noon – 2:30 PM. Attendees were encouraged to register and invite one additional stakeholder to register via the following site: <https://bw-centers-tech-partnerships.org/event-june-21-2023-uncrewed-aerial-system-uas-operators-and-industry-stakeholder-engagement/>