

State Unpiloted Systems Coordinator & Aviation Emergency Services

2021 WAMA Conference

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Unpiloted Aircraft Systems State Coordinator

Provide assistance

- Agency to agency
- Within communities
- With business and education centers
- Conduit of information

National level opportunities

- FAA Working Groups/Rulemaking
- National Association of State Aviation Officials

Implementation

- Messaging of role and registration requirements
- April 2022 registration window

The vision

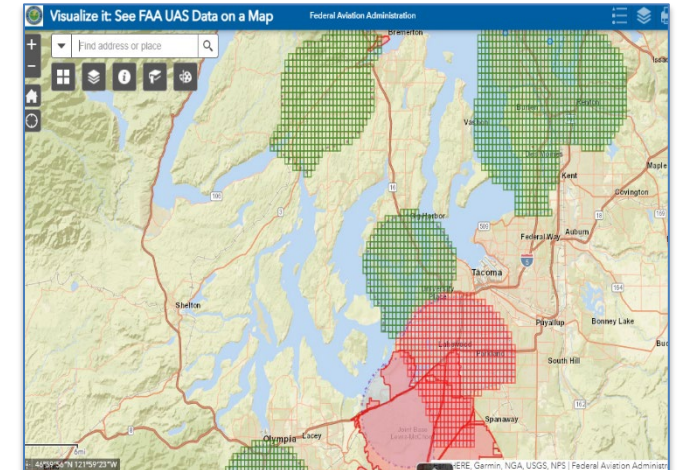
- Capitalize on emerging UAS tech opportunities
- Build synergy across govt, business and education



UAS Systems and Airport operations

Complementary operations and integration strategies

- Combination of Low Altitude Authorization Notification Capability and special authorizations
 - FAA facility maps
 - Class B/C/D/Surface E
 - 19 Airports in WA
- Scalable Operations/Systems (UAS/UAM/AAM)
- Security and safety
 - Challenges & Benefits
- Outside/inside the fence UAS operations



UAS Systems and Airport operations (cont')

Current FAA research and testing initiatives (Inside/Outside of the fence)

Unmanned Aircraft Detection and Mitigation Systems Test and Evaluation (FAA)

- 5 Airports selected (Seattle-Tacoma International Airport)
- Technologies landscape
 - Counter UAS and selected federal agency applicability (Statutory Authority)
 - Detection – detect, identify, monitoring & tracking
 - Mitigation – deter, prevent, respond to and minimize security threats
- Identifying hazards and risks
 - 30 Sightings from April-June 2021 (WA)
 - Over 38,000 recreational & 16,000 Part 107 UAS registrations

UAS Systems and Airport operations (cont')

Current FAA research and testing initiatives (Inside of the fence)

Small Unmanned Aircraft System (sUAS) and Airport Pavement Inspection

- Use of UAS to supplement airport Pavement Management Program
- Approximately 70% of Airport Improvement Grants allocated to airfield pavement programs annually

sUAS Based Foreign Object Debris (FOD) Detection on Airport Surfaces

- Near “real-time” FOD detection on airport surfaces

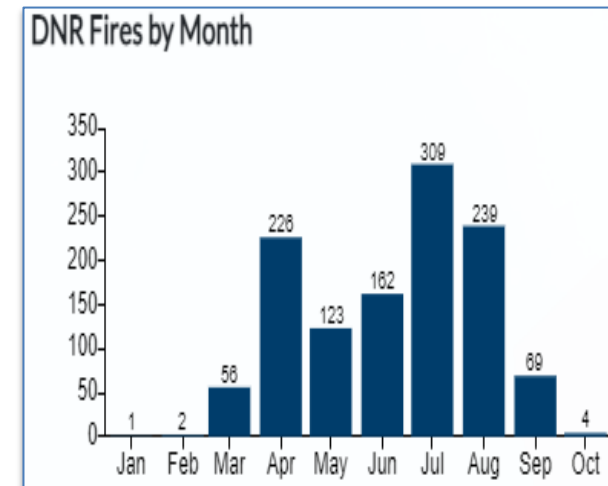
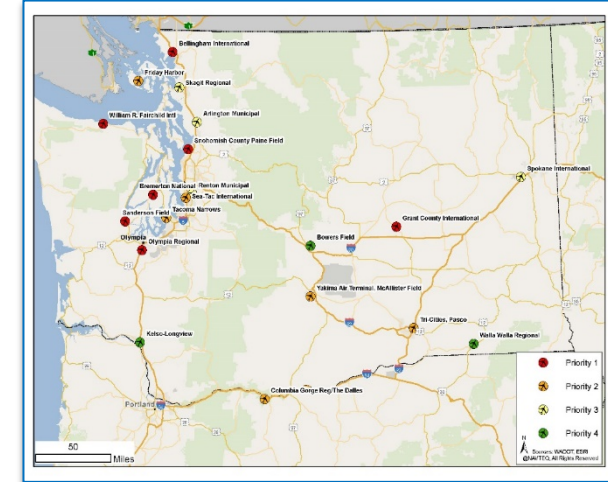
Past testing initiatives

- Obstruction analysis, wildlife hazard management, perimeter security, and aerial search & rescue and firefighting

Aviation Emergency Management & Planning

Building resiliency for Washington's aviation infrastructure

- Regional Resiliency Assessment Program
 - 20 Airports surveyed
 - Integral to building critical emergency response plans
- Supporting emergency response efforts across the state
 - Collaboration between state agencies and airports
 - WA 2021 wildfire season
 - Implementing new tools (ReadyOP) for information sharing



Questions?

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