

FAA UAS Integration Research Functional Framework Support

How does Parallax support the UAS framework?

Parallax is a 501(c)(3) nonprofit that tackles global challenges by accelerating innovation and developing technology and solutions through strategic partnerships with government, industry and academia across Ohio and the Nation.

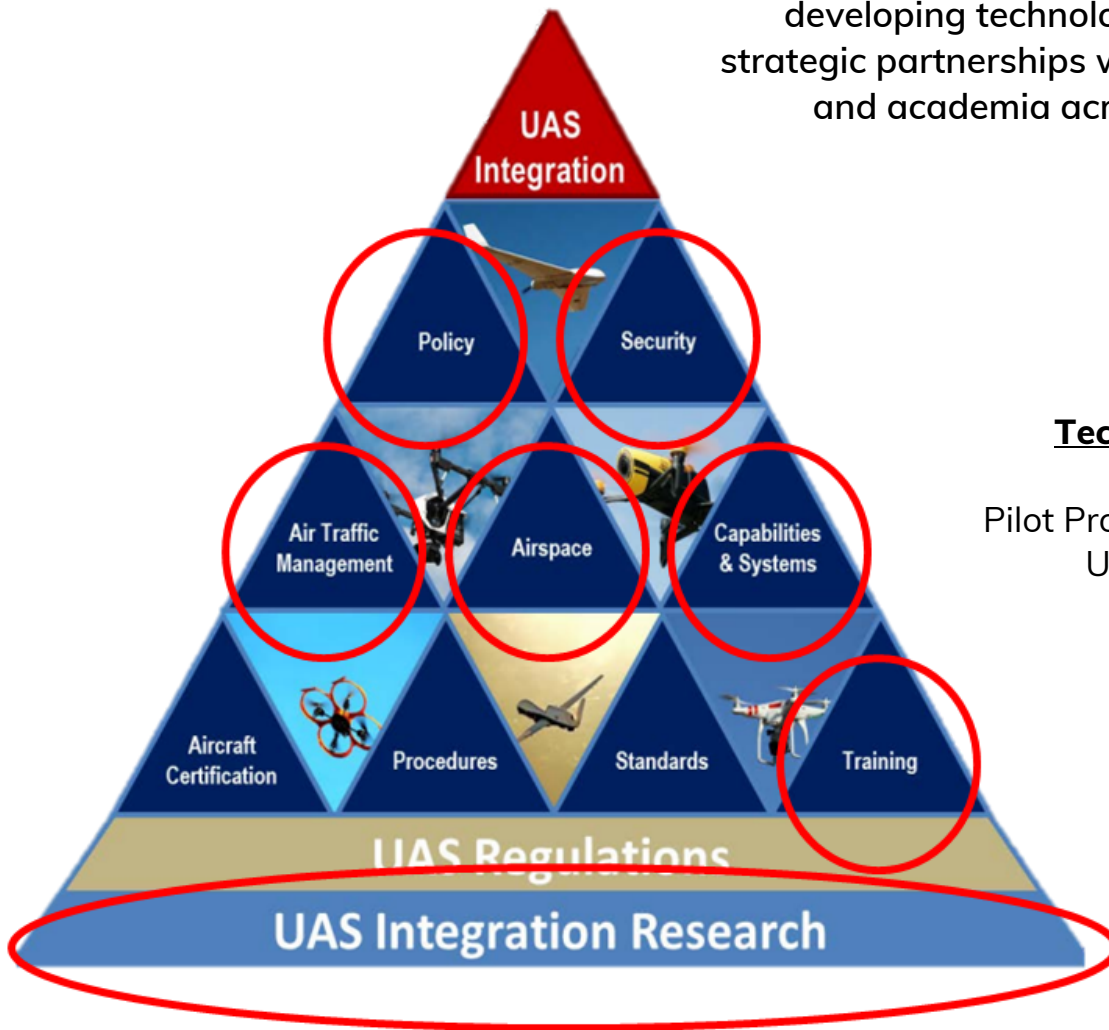
Research Development,

Testing & Evaluation:

- Human/Machine Teaming
- UAV Flight Control
- Autonomy

Tech Program Management:

- Air Traffic Control
- Pilot Program Systems Integration
- UAV Technology Innovation



Title: Integration of Civil Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS)Roadmap

Source: Image by Federal Aviation Administration

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Parallax's UAS Integration Research

Human Performance

- Cognitive psychology and neuroscience
- Data Analytics and Artificial intelligence (AI)/machine learning transparency and decision-making
- Software development

Integration of systems for AI cognition and metacognition

- Modelling of human cognition, metacognition, and complex systems
- Development and application of agent reasoning and learning algorithms
- Machine learning

Parallax's UAS Capabilities, Systems, Airspace & Air Traffic Management

Vigilant Spirit

- Software development and vehicle interface expertise
- Command and Control System Development
- Rapid integration of additional vehicle types
- Expand vehicle control scaling for large fleet control

Parallax's Ohio Federal Research Network (OFRN) & Funded UAS Security Projects



Driving Innovation Through Strategic Partnerships

Parallax manages the OFRN in collaboration with the Ohio State University, and it is funded by the Ohio Department of Higher Education. OFRN has the mission to stimulate Ohio's innovation economy by building vibrant, statewide university/industry research collaborations that meet the requirements of Ohio's federal laboratories, resulting in the creation of leading-edge technologies that drive job growth in Ohio. The program works with a statewide network of businesses, academia, and government entities that work on advanced air mobility, UAS, and flying orb technologies.

- OFRN funded 36 projects that enable a more widespread adoption of unmanned aerial systems (UAS) into the national aerospace

Parallax's Leadership Experience in UAS Policy

Parallax leadership possesses 50+ accumulative years' experience in technology company formation, technology economic development, and transportation law and policy development for UAS.

Contact Parallax to join our network or to learn more about how we're supporting the FAA UAS framework.

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