



FAA UAS SYMPOSIUM

The Future of Airspace Authorizations

Moderator: Lynn Ray

Vice President, Mission Support Services,
FAA Air Traffic Organization



Federal Aviation
Administration



#UAS2017

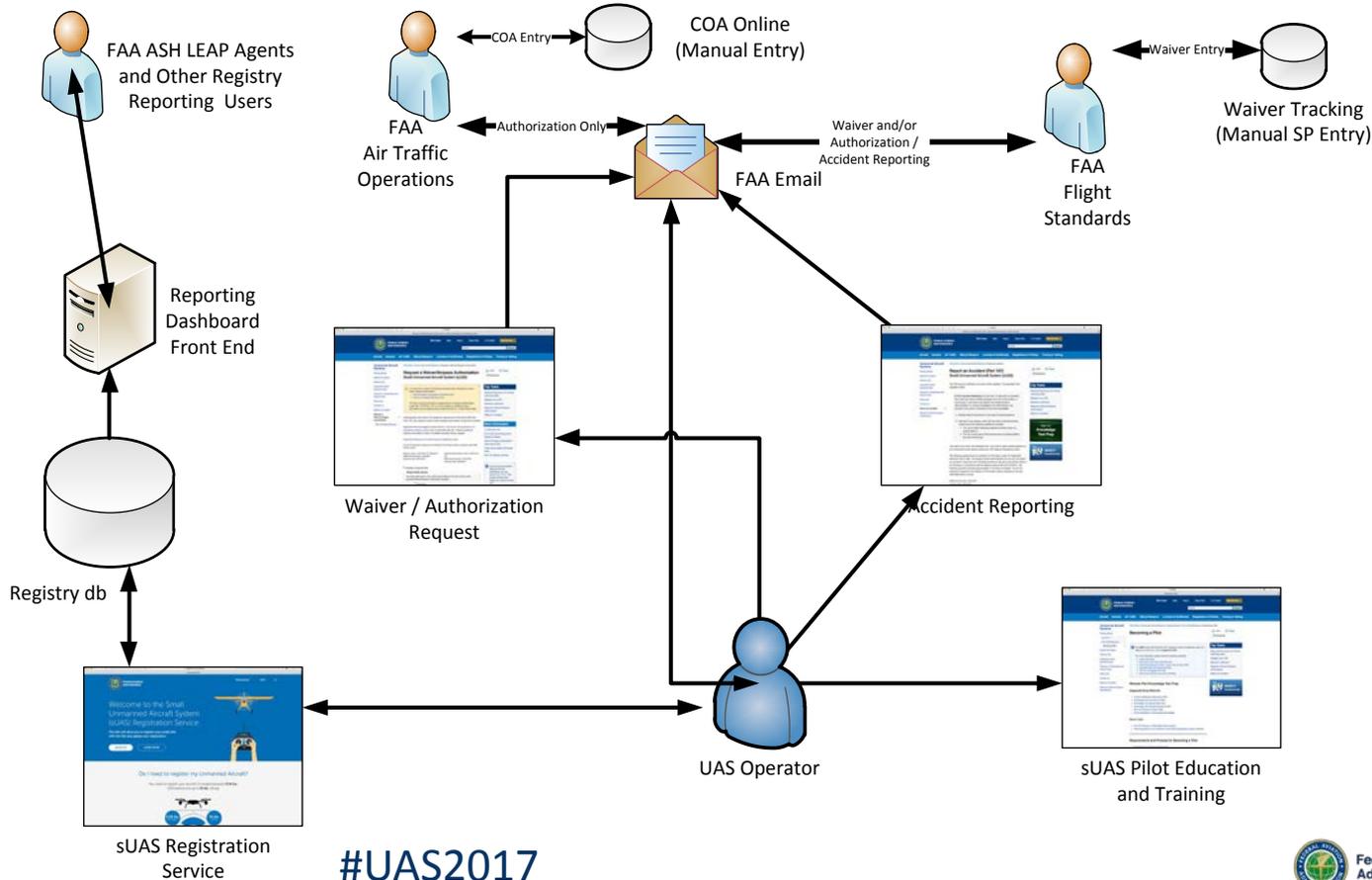


Breakout Session 2B:

The Future of Airspace Authorizations

- **Moderator: Lynn Ray**, Vice President, Mission Support Services, FAA Air Traffic Organization
- **Jim Stroiney**, Acting Deputy Chief Information Officer, FAA Office of Information and Technology
- **Bill Davis**, Executive Director, Emerging Technologies Integration Directorate, Mission Support Services, FAA Air Traffic Organization
- **Jay Merkle**, Director, Program Control and Integration, FAA Air Traffic Organization
- **Steve Weidner**, Unmanned Aircraft Systems Representative, National Air Traffic Controllers Association

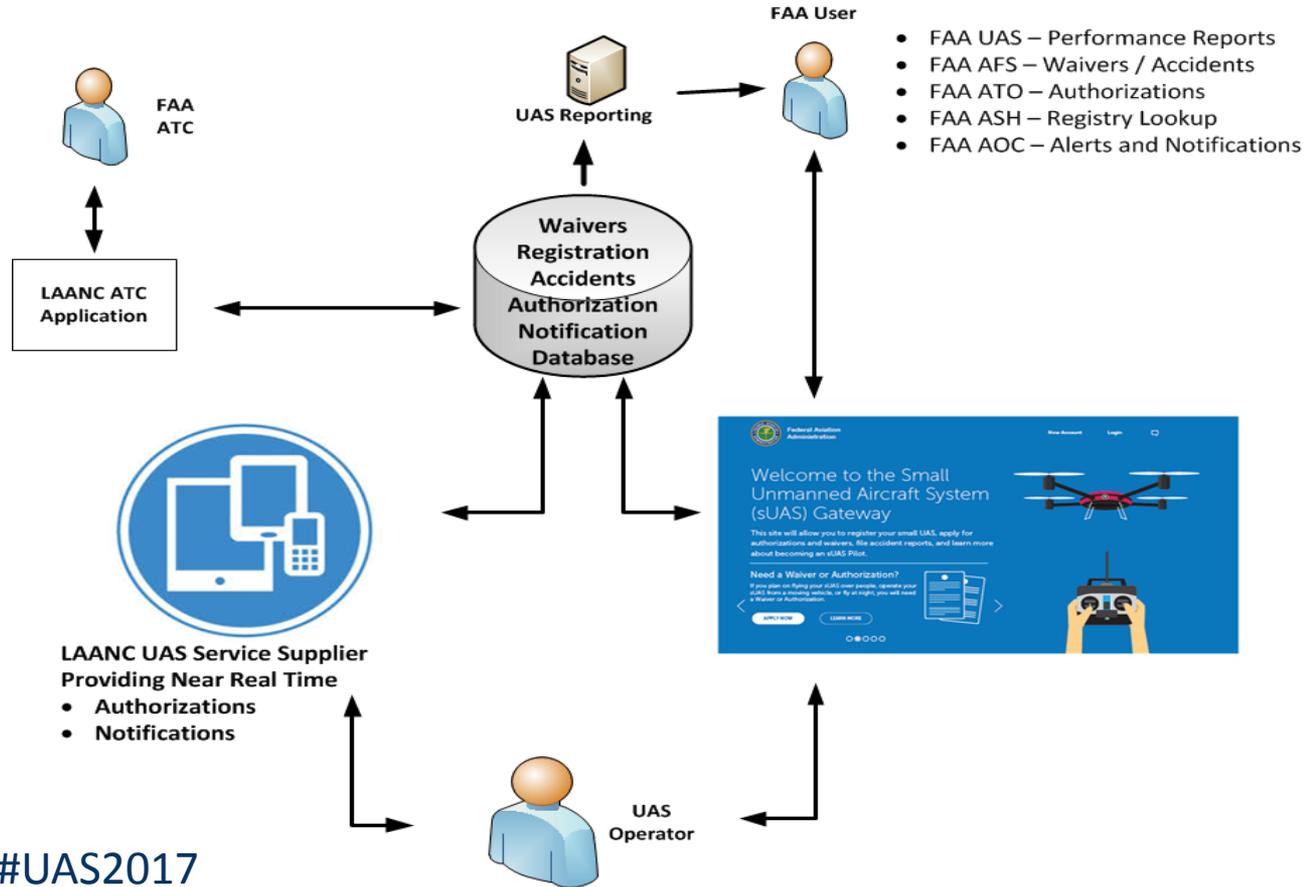
Current sUAS Operator Experience



#UAS2017



Future sUAS Operator Experience

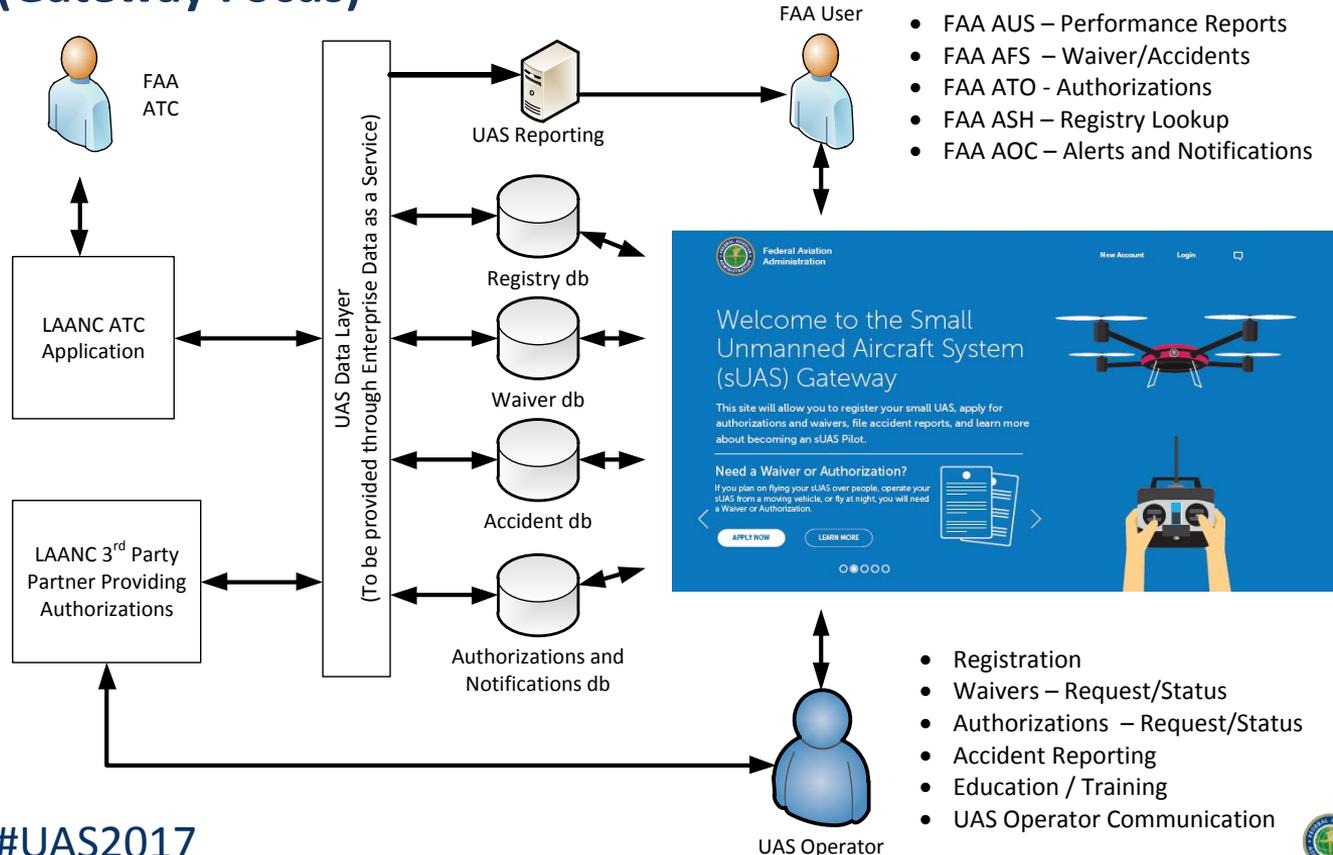


#UAS2017



Future sUAS Operator Experience

(Gateway Focus)



#UAS2017



Breakout Session 2B:

The Future of Airspace Authorizations

- **Moderator: Lynn Ray**, Vice President, Mission Support Services, FAA Air Traffic Organization
- **Jim Stroiney**, Acting Deputy Chief Information Officer, FAA Office of Information and Technology
- **Bill Davis**, Executive Director, Emerging Technologies Integration Directorate, Mission Support Services, FAA Air Traffic Organization
- **Jay Merkle**, Director, Program Control and Integration, FAA Air Traffic Organization
- **Steve Weidner**, Unmanned Aircraft Systems Representative, National Air Traffic Controllers Association

Lynn Ray, Vice President, Mission Support Services, FAA Air Traffic Organization



Lynn Ray is the Federal Aviation Administration's (FAA) Vice President (VP) in Mission Support Services for the Air Traffic Organization (ATO). In this role, she is responsible for leading and directing shared technical and program services across the ATO. The service unit is responsible for the rules, policies and standards for airspace structure, design and allocation; obstruction evaluation; integrating emerging technologies like Unmanned Aircraft Systems and commercial space vehicles into airspace operations; insuring air traffic environmental policy; the design and implementation of performance based navigation procedures; the development of air traffic procedures and standards; the production and charting of instrument flight procedures; the development and validation of air traffic concepts and requirements; the collection and dissemination of aeronautical information management; and staff support to Directors of Operations in the three service centers in Atlanta, Fort Worth and Seattle.



Ms. Ray holds a bachelor's degree in biology with honors from Milligan College; a Master of Science in zoology from University of South Florida; and a Juris Doctor with honors from Georgia State University College of Law. She was admitted to the Georgia Bar in 2001 and is a member of the Bar's Aviation Section. Ms. Ray is also a member of the Air Traffic Control Association and Professional Women Controllers.

#UAS2017



Jim Stroiney, Director, Enterprise Program Management Service, FAA Office of Information and Technology



James C. Stroiney became the Federal Aviation Administration's (FAA) Director of Enterprise Program Management in the Office of Finance and Management for Information and Technology Services (AIT) in February 2015. As director, he manages over 50 people who serve the FAA by providing exceptional IT program management services, from concept to completion by aligning programs with strategic priorities, enabling informed decision-making, and facilitating risk awareness and management.

Prior to his AIT position, Mr. Stroiney spent 13 years with PWC Consulting and IBM, managing projects and programs for the federal government. He began his career in the United States Army as an Intelligence Officer, later transitioning into the IT field as a software testing and development project manager.



Mr. Stroiney holds a bachelor's degree in chemical engineering from Tufts University and a master's degree in business administration from Yale School of Management.

#UAS2017



Bill Davis, Executive Director, Emerging Technologies Integration Directorate, Mission Support Services, FAA Air Traffic Organization



Mr. William S. Davis is currently the Executive Director of Emerging Technologies in the Air Traffic Organization (ATO) of the Federal Aviation Administration (FAA). He was asked to take this special assignment to lead a cross-organizational team that focuses on integrating unmanned aircraft systems (UAS), commercial space and other emerging technologies into the National Airspace System.

Mr. Davis has extensive experience across a wide variety of aviation management and operational positions. Prior to his current role, he served as the Deputy Vice President of Mission Support Services for the ATO. As the Deputy Vice President, Mr. Davis was responsible for directing various FAA activities supporting air traffic operations including the rules, policies, and standards for airspace structure; environmental policy; air traffic procedures; aeronautical information; air traffic concepts and requirements; and the FAA Service Centers.

Mr. Davis holds a Bachelor of Arts from Florida State University and a Master of Science from the U.S. Naval Post Graduate School.



#UAS2017



Jay Merkle, Director, Program Control and Integration, FAA Air Traffic Organization



Jay Merkle became the Federal Aviation Administration's (FAA) Director of System Integration and Requirements Analysis, AJM-1, in the Program Management Organization (PMO) for the Air Traffic Organization (ATO) in April 2015. In this role, he leads the PMO in developing effective, timely, and innovative solutions to evolving business needs. The PMO directorate's focus areas are program control, cross-cutting analysis and integration, and special initiatives.

Prior to his current position, Mr. Merkle was Manager of Systems Integration for Portfolio Management and Technology Development within the NextGen organization. He has more than 25 years of engineering and program management experience in both the defense industry and the FAA.

Early in his career, Mr. Merkle was an engineer working in cockpit and crew station design on several aircraft, including the C-17 large transport aircraft. Since joining the FAA, he has held positions as the Lead Engineer for tower, terminal, and en route automation systems, the Chief System Engineer for en Route and Terminal Domains, and he also served as the Chief Architect for NextGen at the Joint Planning and Development Office

Mr. Merkle holds a master's degree in industrial engineering and operations research from the Virginia Polytechnic Institute and State University.



#UAS2017



Steve Weidner,

Unmanned Aircraft Systems Representative, National Air Traffic Controllers Association



Steve Weidner was hired by the FAA in 1991 and has been an air traffic controller at Minneapolis Air Route Traffic Control Center ever since. Prior to joining the FAA, he served as an air traffic controller in the U.S. Air Force.

Mr. Weidner has been the full-time National Air Traffic Controllers Association (NATCA) representative for Unmanned Aircraft Systems since November 2014. He participates in all aspects of UAS integration, from the development of future technologies and requirements to working with individual facilities on their specific UAS operations. He also works with the UAS office on the development and implementation of UAS training for air traffic controllers.



Mr. Weidner holds a Bachelor of Arts degree from the University of Maryland – University College.

#UAS2017



THANK YOU TO AUVSI'S SPONSORSHIP PARTNERS



AIRMAP

QUALCOMM[®]



#UAS2017