



FAA
Air Traffic Organization

ATO SPACE INDUSTRY DAY

JUNE 27-28, 2023
CAPE CANAVERAL, FLORIDA

PROGRAM OVERVIEW

Welcome!

On behalf of the Federal Aviation Administration (FAA), we welcome you to the **2023 FAA Air Traffic Organization (ATO) Space Industry Day** at Space Florida. The two-day event brings together senior executives from principal aviation and space industry companies that work directly with the National Airspace System (NAS).

Over the course of the event, aviation and space industry leaders will have the opportunity to gain greater awareness of efficiency efforts driven by ATO Space Operations. Attendees will interact with agency operational leadership and engage in a further discussion of future efficiency initiatives, and share industry-led challenges and considerations. There will also be a briefing on the recent notice of updated factors for optimizing the use of the NAS.

Our aim continues to advance collaboration and provide a forum for information exchange and dialogue. We hope you will make the most of this event by networking with your peers and leaving with a deeper understanding of the opportunities and challenges facing the aviation and space industries.

Thank you and welcome!

The Basics

Dates

Tuesday, June 27: Cape Canaveral Immersion Tour

Wednesday, June 28: Industry Day Meetings

Host

Space Florida
505 Odyssey Way, Suite 300
Exploration Park, Florida



General Questions

SPID@FAA.gov or Elizabeth McGovern Assink (202) 997-8150

DAY 1

TUESDAY, JUNE 27

- 8:00 AM [Arrive at Space Florida](#)
505 Odyssey Way, Exploration Park, FL
- 8:30 AM [Welcome](#)
LaKisha Price
Director, NAS Operations
FAA ATO System Operations
- 8:45 AM [SpaceX Hangar X](#)
- 10:00 AM [NASA Vehicle Assembly Building \(VAB\)](#)
- 11:30 AM [SpaceX - Pad 39A](#)
- 12:30 PM [Lunch at NASA Cafeteria](#)
- 2:00 PM [United Launch Alliance \(ULA\) - ASOC](#)
- 3:30 PM [Blue Origin - Pad 36B](#)
- 4:40 PM [Return to Space Florida](#)
505 Odyssey Way, Exploration Park, FL

DAY 2

WEDNESDAY, JUNE 28

9:00 AM

Opening

Alyce Hood-Fleming
Vice President
FAA ATO System Operations

9:15 AM

Brief Introductions

9:30 AM

Leadership Address

Timothy Arel
Chief Operating Officer
FAA Air Traffic Organization

Kelvin Coleman
Associate Administrator
FAA Office of Commercial Space Transportation

10:00 AM

Briefing

Notice of Updated Factors for Optimizing Use of the National
Airspace System

10:15 AM

ATO Space Operations Integration Efforts

Duane Freer
Group Manager
FAA ATO Space Operations

11:15 AM

Collaborative Decision Making Highlights

Duane Freer
Group Manager
FAA ATO Space Operations

Vern Payne
Manager, FAA Collaborative Decision Making and International
Operations
FAA ATO System Operations

DAY 2

WEDNESDAY, JUNE 28

11:45 AM

Lunch

1:30 PM

Panel: Industry Perspective

Moderated by:

LaKisha Price

Director, NAS Operations

FAA ATO System Operations

2:30 PM

Open Forum

Duane Freer

Group Manager

FAA ATO Space Operations

Vern Payne

Manager, FAA Collaborative Decision Making and International Operations

FAA ATO System Operations

3:30 PM

Closing

Alyce Hood-Fleming

Vice President

FAA ATO System Operations

*Collaboration is the only way we will
achieve comprehensive space integration.*

SPEAKER BIOS



Timothy Arel

*Chief Operating Officer
Air Traffic Organization
FAA*

As Chief Operating Officer of the FAA's Air Traffic Organization, Tim Arel is responsible for ensuring safe, efficient and secure air traffic services for approximately 50,000 aircraft operating every day over nearly 30 million square miles across the National Airspace System (NAS).

Mr. Arel provides leadership and guidance to more than 35,000 employees and oversees the daily operation of the ATO, an organization made up of air traffic controllers, technicians, engineers, pilots and a host of other technical and support personnel who provide services as part of eight service units: Air Traffic Services, Technical Operations, System Operations, Safety and Technical Training, Mission Support Services, Management Services, Flight Programs Operations and the Program Management Organization. The organization is also responsible for operationalizing airspace modernization initiatives and integrating unmanned aircraft systems and commercial space operations into the NAS.



Patrick Butler

*Director, Mission
Execution
Blue Origin*

Patrick Butler is the Director of Mission Execution at Blue Origin's Orbital Launch Site where he is responsible for launch and recovery range integration and external regulatory coordination, along with program management of the operations safety program and the operations team's training and certification program.

The Mission Execution organization is ultimately responsible for coordinating all mission planning and scheduling in support of launch operations in Florida and for defining standards and business processes used across all Mission Operations functions.



Kelvin Coleman

*Associate
Administrator for
Commercial Space
Transportation
FAA*

As the FAA's Associate Administrator for Commercial Space Transportation (AST), Mr. Coleman is responsible for ensuring the achievement of AST's mission to oversee and enable the safest commercial space transportation system in the world.

Mr. Coleman has more than 25 years of leadership experience in AST. He has served as Deputy Associate Administrator, Chief of Staff, Senior Technical Advisor for Operations Integration, Program Lead for Space and Air Traffic Integration, and Special Assistant to the Associate Administrator. Prior to joining AST, Mr. Coleman worked for the U.S. Naval Air Systems Command (NAVAIR) as both a systems engineer, and as a guidance, navigation, and control engineer for several weapon system acquisition programs.

SPEAKER BIOS



Rob Goldman

*Senior Manager, Air
Traffic Management
and Industry Affairs*
Delta Air Lines

Robert Goldman is a 757/767 captain and a senior manager of Air Traffic Management and Industry Affairs at Delta Air Lines. Robert's primary focus is on optimizing throughput, capacity, and access throughout the National Airspace System, with an emphasis on Delta's NYC and Northeast corridor hubs. Rob's work directly supports Delta's operational performance commitment while also serving its sustainability and community noise goals as well.

Captain Goldman has over 28 years of aviation experience that includes traffic flow management, airspace and procedure design and airport operations. Mr. Goldman has a Bachelor of Science Degree in Engineering from The University of Michigan and a master's in business administration from Syracuse University.



Duane Freer

*Group Manager, ATO
Space Operations*
FAA

Duane began his career in 1984 as an Air Traffic Control Specialist at the Houston Air Route Traffic Control Center (ARTCC). In his career spanning over 35 years, he has held positions as an ARTCC Front Line Manager, Operations Manager, Training Manager, Quality Control Manager, and Executive Officer at both Houston and Washington ARTCCs.

In 2013, Mr. Freer transferred to the Air Traffic Control System Command Center (ATCSCC) as a National Operations Manager. He has also served as the Quality Control Manager and Staff Manager at the ATCSCC. As the Group Manager of ATO Space Operations, Mr. Freer manages the team focused on integrating launch and reentry operations into the National Airspace System.



**Alyce Hood-
Fleming**

*Vice President, System
Operations Services*
FAA

Mrs. Hood-Fleming has served as Deputy Vice President for System Operations Services since January 2022.

She previously served as acting Deputy Vice President from September 2020 to May 2021 before resuming her role as the Deputy Director of Air Traffic Services, Eastern Service Area North.

Prior to this she served in a broad range of key positions including: Manager at Atlanta Air Traffic Control Tower in Atlanta, Georgia, Terminal Assistant District Manager, Capital District in the Washington, DC Metropolitan area; Executive Technical Representative for the Tech Labor group; Deputy Director for System Operations East-North; DCA Air Traffic Manager and National Operations Manager.

SPEAKER BIOS



Dale Ketcham

*Vice President,
Government and
External Relations
Space Florida*

Dale Ketcham serves as Space Florida's Vice President Government & External Relations. In this role, Ketcham utilizes existing and developing networks to advantage the State of Florida as the recognized leader in the exploration, national security and commercial space marketplace through innovation, collaboration, and influence.

Mr. Ketcham spent 40 years at the Cape working with major contractors, 8(a)'s, the U.S. Congress, Enterprise Florida and the University of Central Florida. Immediately prior to Space Florida, Mr. Ketcham worked for the University of Central Florida (UCF) as Director of the Spaceport Research & Technology Institute (SRTI) and as the Director of Space and Defense Programs with Enterprise Florida, the State of Florida's economic development agency.



Paul Litke

*Director, Surface
Operations, Network
Operations, ATS
United Airlines*

Paul Litke has been Director of Air Traffic Strategy, Surface Operations for United Airlines since February 2020 and is the Industry co-lead for the FAA Aviation CDM.

Mr. Litke previously served as Director of NAS Operations for FAA ATO System Operations.

Prior to this, Mr. Litke served in a broad range of key positions within the FAA, including: Director of Operations, FAA Western Service Area; Deputy Director of Operations, FAA Central Service Area-North; and Terminal District Manager/General Manager, Lake Effect District.



Vern Payne

*Manager, Collaborative
Decision Making and
International
Operations
FAA*

Vern Payne currently serves as the Manager for Collaborative Decision Making and International Operations at the FAA Command Center.

Mr. Payne's career with the FAA spans parts of 4 decades and includes duties as an air traffic controller, traffic management coordinator, front line and second level manager at multiple facilities including Albuquerque Center, Washington Center and the Command Center.

Mr. Payne has specialized experience in the Air Traffic Control automation system, ERAM as well as systems used for flow management and efficiency, TFMS, TBFM and TFDM. Now serving as the CDM and International Operations Manager, Mr. Payne manages the CDM process for Aviation.

SPEAKER BIOS



LaKisha Price

*Director of NAS
Operations*
FAA

LaKisha Price currently serves as the Director of NAS Operations with 19+ years of experience in various positions of increasing responsibility within the Air Traffic Organization.

Her experience ranges from Certified Professional Controller (CPC), Front Line Manager (FLM), Operations Manager (OM), and Supervisor of the Traffic Management Unit (STMC) at Washington Center (ZDC); Control Tower Operator (CTO), FLM and OM at Reagan-National Airport (DCAT); Air Traffic Manager (ATM) at JB Andrews Air traffic Control Tower (ADWT), where she received the "Facility of the Year" award; General Manager (GM) of the Joint Air Traffic Operations Command (JATOC), National Incident Response Manager for the JATOC Crisis Action Team (J-CAT), National Operations Manager (NOM) and ATM at the Air Traffic Control System Command Center (ATCSCC). She has also provided quality assurance guidance, developed training programs, led customer focus meetings and system review sessions, and provided domestic and international leadership in the achievement of ATO goals.



Heidi Williams

*Senior Director, Air
Traffic Services and
Infrastructure*
NBAA

Heidi Williams joined the National Business Aviation Association in December of 2016 where she serves as the Senior Director, Air Traffic Services and Infrastructure. In her current role, she is responsible for NBAA's policy and coordination with the FAA, state and local officials, and association members relating to air traffic control, air traffic management/design activities, Nextgen, emerging technologies and oversees the NBAA Air Traffic Services at the FAA Air Traffic Control Command Center.

Prior to joining the NBAA team, Ms. Williams served as the UAS lead for Lockheed Martin and as Vice President, Air Traffic Services for AOPA. She has been actively engaged in the industry for over 25 years and is a commercial pilot and flight instructor.

BACKGROUND INFORMATION



Cape Canaveral Space Force Station

Cape Canaveral Space Force Station (CCSFS) is an installation of the United States Space Force's Space Launch Delta 45 on Cape Canaveral.

Headquartered at the nearby Patrick Space Force Base, the station is the primary launch site for the Space Force's Eastern Range. The facility is south-southeast of NASA's Kennedy Space Center on adjacent Merritt Island, with the two linked by bridges and causeways. The Cape Canaveral Space Force Station Skid Strip provides a 10,000-foot (3,000 m) runway close to the launch complexes for military airlift aircraft delivering heavy and outsized payloads to the Cape.

NASA Kennedy Space Center

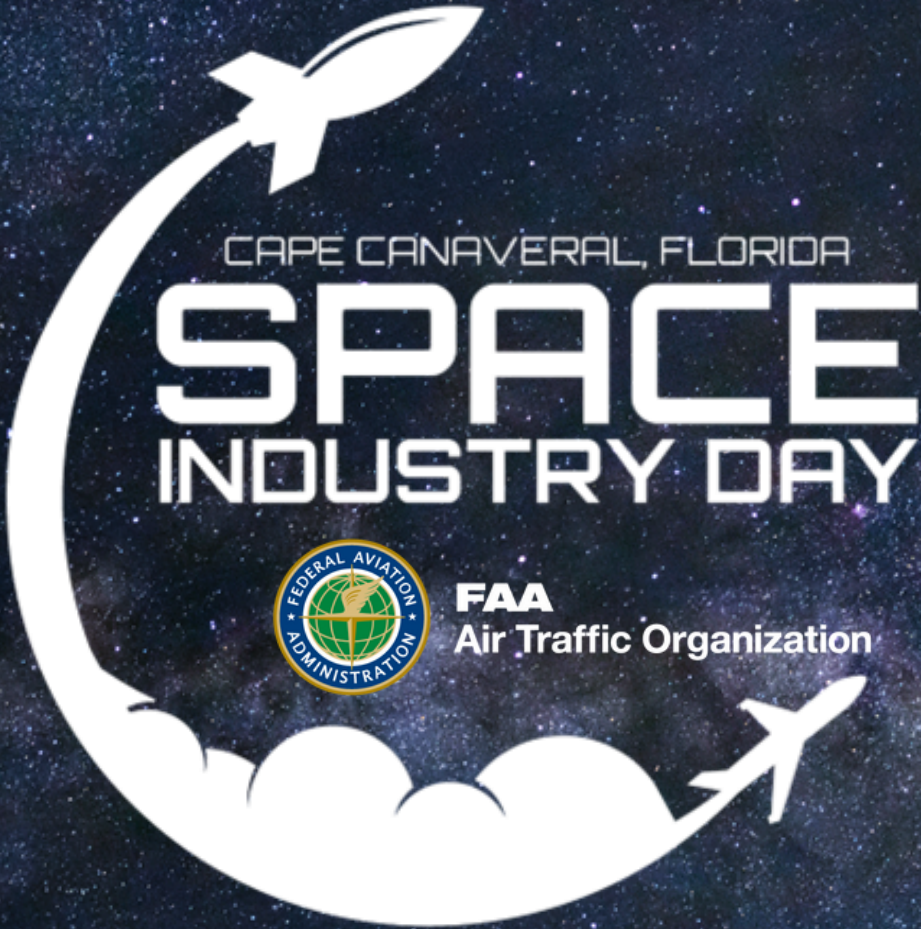
The John F. Kennedy Space Center (KSC, originally known as the NASA Launch Operations Center), located on Merritt Island, Florida, is one of the National Aeronautics and Space Administration's (NASA) ten field centers.

Since December 1968, KSC has been NASA's primary launch center of human spaceflight. Launch operations for the Apollo, Skylab, and Space Shuttle programs were carried out from Kennedy Space Center Launch Complex 39 and managed by KSC. Located on the east coast of Florida, KSC is adjacent to Cape Canaveral Space Force Station (CCSFS). The management of the two entities work very closely together, share resources and operate facilities on each other's property.

THANK YOU TO OUR PARTNERS

SPACE FLORIDA





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