



# Federal Aviation Administration

## Engine & Airframe-Engine Integration Safety Summit

NTSB Auditorium, 420 10<sup>th</sup> Street, SW, Washington, D.C. 20024

Oct 24, 2019

8:00 AM- 4:30 PM

### Welcome and Opening Remarks

8:00 a.m.

[Earl Lawrence](#), FAA Aircraft Certification Service Executive Director

### Keynote Address: A Call to Action to Improve Safety

8:10 a.m.

[Ali Bahrami](#), FAA Associate Administrator for Aviation Safety

### Plenary Session A: Examining the Issue

8:45 a.m.

**Thomas Stafford, Manager/Lead - Commercial Jet Engine Safety Review Team, FAA; James Gray, Aerospace Engineer-Engine & Propeller Standards Branch, FAA; Chris Parker, Section Manager - Transport Standards Branch, FAA; Chad Shackford, Aircraft Evaluation Group, FAA**

Purpose: FAA representatives will present the results of their analysis of engine and airframe-engine integration related accidents and incidents from 2014-2018. They will reflect on the broader safety trends, and identify potential areas of interest associated with manufacturing defects and escapes, uncontained engine failures, ice crystals, maintenance and critical inspections, ETOPS, and more. Other topics will include fleet safety/data management and safety management systems.

### ***BREAK***

### Panel 1: Airframe-Engine Regulatory Issues Affecting Design, Production and Oversight

10:30 a.m.

**Stephen F. Clark, Senior Chief Engineer, Boeing Commercial Airplanes Propulsion and Fuels; Johann Hervault, Senior Manager - Head of Propulsion Systems Integration Department, Airbus Operations SAS; Sarah Knife, Chief Consulting Engineer, Product Safety, General Electric; Keith Morgan, Technical Fellow, Certification & Airworthiness, Pratt & Whitney; Belinda Swain Head of Airworthiness Assurance and Regulation, Rolls-Royce Plc; and Dave Hempe - Regulatory Operations - Deputy Executive Director, FAA**

Purpose: This panel will facilitate a discussion on regulations, guidance, and directives, including certification, continued operational safety, production, oversight, and reporting requirements. The panel will deliberate on the adequacy of existing policy and guidance and certification, production, oversight processes, and areas for additional study.

Outcome: This session is intended to be an open dialogue between all participants that will provide an opportunity to capture stakeholder feedback.

**LUNCH**  
**11:30 a.m.**

**Panel 2: Operational & Maintenance Regulatory Issues and Oversight**  
**1:00 p.m.**

**Cory Boese, Senior Manager, Powerplant Program Engineering, Southwest Airlines; Dag Johnsen, Director - Tech Ops, Powerplant Engineering, United Airlines; Jon Oberdick, Managing Director, Powerplant Product Team, American Airlines; Todd Martin, Manager - Power Plant, Alaska Airlines; and Tim Shaver, Director - Office of Safety Standards, FAA**

Purpose: This panel will facilitate a discussion on regulations, guidance, and directives, including fleet data, fleet monitoring, safety trends, safety management systems, and critical inspections. The session will touch on the impact of new technology, common operational and maintenance issues, safety management systems, best practices, and regulatory challenges.

Outcome: This session is intended to be an open dialogue between all participants that will provide an opportunity to capture stakeholder feedback and best practices.

**BREAK**

**Collaborative Questions and Answers Session**  
**2:15PM**

**Joint FAA and Industry Panel Representatives**

This session will be a chance for panel participants to discuss questions and issues that were submitted throughout the panel presentations. We see this as an opportunity to collectively engage in answering questions that were identified earlier in the summit.

**Plenary Session B: Integration and Working Together**  
**3:15 p.m.**

**Gaetano (Tom) Sciortino, Deputy Director, Compliance and Airworthiness Division, FAA; Dave Hempe- Regulatory Operations - Deputy Executive Director, FAA; Tim Shaver, Director - Office of Safety Standards, FAA; Thomas Stafford, Manager/Lead - Commercial Jet Engine Safety Review Team, FAA**

This session will be a chance for all summit attendees to talk about their takeaways from the day's discussions. We want to leave with mitigation strategies, best practices, and recommendations for how we can work together to improve airframe-engine safety. We see this summit as a beginning toward relationships that will encourage increased safety for the flying public.

**Recap and Closing Remarks**  
**4:15 p.m. - 4:30 p.m.**

[Earl Lawrence](#), FAA Aircraft Certification Service Executive Director