

NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Alaska Airlines Flight 1282

Boeing 737-9, N704AL

Left Mid Exit Door Plug Separation in Portland, OR

January 5, 2024

<b>Docket No.</b>	<b>SA-543</b>
<b>EXHIBIT</b>	
1H	

# **WITNESSES PROFESSIONAL BIOGRAPHIES**

(15 Pages)

## Elizabeth Lund



Elizabeth Lund is senior vice president of Quality for Boeing Commercial Airplanes and chair of the Enterprise Quality Operations Council, serving as a member of the executive council. She leads the Boeing focus on driving quality excellence and adopting best practices across the global organization. Within Commercial Airplanes, she drives efforts to ensure first-pass quality throughout the value stream, including the global supply chain and all supporting functions. Among her key responsibilities, she works to continuously enhance the relationship between Boeing and the Federal Aviation Administration. She also leads and promotes culture initiatives that improve quality and compliance in every aspect of the business.

This follows her assignment as senior vice president and general manager of Airplane Programs for Commercial Airplanes, when she oversaw the 737, 747, 767, 777/777X and 787 programs.

Lund previously served as the vice president and general manager of Commercial Airplanes Supply Chain, where she had responsibility for the overall strategy and development of supply chains. The Supply Chain team, at the time encompassed nearly 3,000 suppliers from 41 countries.

Earlier, she was vice president and general manager of the 777/777X program, and oversaw design, development, certification, production and delivery. She also led the Boeing site in Everett, Wash.

Lund earlier served as vice president and general manager of the 747 program, where she led the introductions of both the 747-8 Freighter and 747-8 Intercontinental. Before joining the 747 program, Lund was vice president and general manager of the 767 program as well as deputy program manager of the U.S. Air Force KC-X Tanker program.

Previously, she was vice president of Product Development for Commercial Airplanes, and led development of new and derivative airplane products; managing the research and development plan; supporting technology programs, airplane concept centers and environmental performance strategy.

Earlier in her career Lund held numerous executive leadership positions in engineering, program management, manufacturing and supplier management, including the Interiors Responsibility Center and Fabrication.

She has a Bachelor's degree in mechanical engineering from the University of Tulsa and a Master's degree in mechanical and aerospace engineering from the University of Missouri.

## Doug Ackerman



Doug Ackerman is the vice president of Supplier Quality for Boeing Commercial Airplanes. Appointed to this role in 2020, he leads a global organization chartered to ensure that the supply chain provides the highest quality products and services.

Previously, Ackerman served as director of Engineering for BCA Supply Chain where he led engineering to resolutions of technical issues, drove continuous quality and cost improvement of supplied parts, and coordinated activities between the Engineering and Supply Chain functions.

In 2019, Ackerman led Interior Supply Chain Strategy in Supply Chain where he developed and aligned supply chain strategy for airplane interiors, including seats, across Boeing's commercial airplane programs and the enterprise.

He previously served as the 777 Airplane Level Integration chief engineer leading the Customer Engineering, Liaison Engineering and Airplane Safety, Certification and Performance organizations in airplane configuration and certification strategy, airplane performance analysis, and production issue resolution. In this role, he worked closely with key customers in resolving airplane configuration, supplier and delivery issues.

Since joining Boeing in 1990, Ackerman has held many positions in Interiors Engineering including 777 Interiors chief engineer and led new interior development on the 767-400, 777-300ER, and 747-8 programs. In these roles, he worked closely with customers, suppliers and across internal organizations to address customer needs.

Additionally, he developed new interior concepts and interior business strategies in Product Development and holds a patent on integrating systems and interior commodities.

Ackerman holds Bachelor of Science and Master of Science degrees in mechanical engineering from the University of Washington and completed the Stanford Executive Program.

## Terry George



Terry George is Senior Vice President, Wichita and Tulsa Operations, Fabrication, Operations Engineering, Tooling, and Facilities for Spirit AeroSystems. George is a member of the company's Executive Leadership Team (ELT).

Previously, George served as Senior Vice President, 737 Program and then Senior Vice President, Boeing 737 Program & Operations and Advanced Manufacturing Strategy.

Prior to these roles, George served as Spirit's Vice President of New Product Development and Advanced Manufacturing Strategy. In this role, he was responsible for the company's factory automation strategy and implementation and new aircraft development. Additional roles include: Vice President and General Manager of Airbus Programs, Kinston, NC, several positions on the 787 program including Vice President of 787 Program Management, Senior Director and Director of 787 Operations, product line manager for the 787 Composites Fabrication and lastly, part of the Life Cycle Product team for the 787 program. Terry has been employed by Spirit since it's formation, and was employed by Boeing since 1983.

## Scott Grabon



Scott Grabon is the Senior Director of Quality for the 737 and P8 programs for Spirit AeroSystems. Scott has been with the company for 16 years. In his role he is responsible for final product quality and adherence to AS9100 standards and the Spirit Quality Management System (QMS).

While at Spirit, Scott has held leadership roles in Engineering, Program Management, Operations and Quality across Gulfstream, Airbus and Boeing programs, including being the Spirit on-site representative to the Boeing company in Renton, WA.

Before beginning his career at Spirit AeroSystems Scott was at Cessna Aircraft Company as a Static and Dynamic Loads Engineer before transitioning to an Airworthiness Supervisor where he became an Assistant Organization Designation Authorization (ODA) Administrator for Part 23 and Part 25 aircraft.

## Lloyd Catlin



Business Representative IAM District 751

Hired by Boeing in 2011 as a 30304 General Assembly Mechanic and a 51406 Quality Assurance Inspector represented by IAM 751 in Everett.

Elected Business Rep since Jan 2023 supporting members first on the 737 program and currently on the 767 and 777 Wings

Accomplishments:

2024 Workforce Negotiating Committee, IAM Verification Optimization Rep

Held multiple officer positions for Local F including:

District Council Delegate, Local F President, Vice President, Auditor

Past District Finance Committee Snohomish & Island County Labor Council

Teamsters member 30 years Teamsters Steward 10 years

Volunteer Community Service Organizing, Guide Dogs of America

## Michael Riney



Michael Riney is the Boeing On-site Customer Relations Director for Spirit Aerosystems and has been with Spirit since 2006. In his current role, he is the executive interface between Boeing and Spirit for the 737, 767, 777 & 787 programs in Washington state. For the past 12 years, Mr. Riney has communicated Spirit's continuous improvement to the Boeing team as well as understanding and application of Boeing's general requirements, providing support and feedback to Spirit leadership.

Mr. Riney is a 28-year veteran in hydraulic, agricultural, and aerospace industries, having worked in manufacturing positions for TSW Products and AGCO. While with Spirit, Mr. Riney has held roles in manufacturing for 737 pylons, operations support within 737 Automated Fastening assisting with process improvements & root cause investigations, and leadership roles in the 737 Automated Fastening fuselage business unit. His most recent role with Spirit was the Sr Manager customer relations representative for Spirit Twin Aisle Boeing products in Everett, WA.

Mr. Riney holds an MBA focused on project management from Keller Graduate School.

## Paul J. Wright



Currently serving as the executive director for Boeing Commercial Airplanes Safety Management System (SMS), Paul Wright leads the implementation of SMS across all commercial airplanes programs and functions.

In 2021, he served as acting vice president of Environment, Health & Safety (EHS). In that role, Wright oversaw safety and environmental programs for Commercial Airplanes, Defense, Space & Security and Services businesses. Prior to that he held other executive roles in EHS.

In addition to SMS and EHS, Wright has more than 25 years of engineering and regulatory experience with leadership roles in Regulatory Policy Analysis, Flight Sciences, System Safety & Regulatory Affairs, Airplane Level Integration and Product Development.

He holds a Bachelor of Science in Mechanical Engineering from Santa Clara University as well as U.S. Patent 6,922,871 Articulating Glide Mechanism for Asymmetric Door Operation. Wright represents Boeing on the board for EarthCorps, a Puget Sound-based organization committed to environmental restoration and leadership development.



## Hector Silva



Hector Silva is the vice president of Regulatory Compliance and Core Quality for Boeing Commercial Airplanes. In this new position he is responsible for Quality technical leadership across BCA and serves as the primary liaison with the FAA and civil aviation authorities for internal manufacturing processes and supply chain activities.

Silva started working at Boeing in November 2012 as a Manufacturing Engineering manager on the 787 program in North Charleston, South Carolina. Since 2014, he has held several Quality leadership positions, spanning Customer Quality Support, program and product development Quality, and most recently as director of Quality Engineering and Functional Excellence.

Prior to Boeing, Silva served in various roles in Operations, Maintenance and Fleet Planning at American Airlines. He began his career as an information technology consultant in Washington, D.C.

Silva holds a Bachelor of Science degree in Systems Engineering and Bachelor of Arts in Economics from the University of Pennsylvania and a Master of Science degree in Engineering Systems and a Master of Business Administration from the Massachusetts Institute of Technology.

## Gregg Brown



Gregg Brown has been with Spirit AeroSystems since March 2024, when he joined as Senior Vice President of Global Quality, responsible for oversight and quality assurance at all Spirit locations, as well as the Quality Management System (QMS) and implementation of a Safety Management System (SMS).

Gregg began his aviation career in 1987 as an aircraft mechanic in the US Air Force where he earned his FAA Airframe & Powerplant certificate, becoming a mechanic at both Delta Air Lines, and Southwest Airlines. During his 24 years at Southwest, Gregg also held leadership roles in Maintenance Control & Operations, Regulatory Compliance, Airframe Field Services, serving as Senior Director Quality / FAA Liaison from 2012 to 2018.

In 2018, Gregg retired from Southwest to assume the role of Vice President MRO Solutions at MRO Holdings, Inc., where he eventually held the title of Chief Quality & Compliance Officer, responsible for oversight of safety, quality, and compliance of the company's airframe repair stations located in the US, El Salvador, and Mexico. In 2022, Gregg returned to the airlines as VP Technical Operations at Spirit Airlines, eventually transitioning to JetBlue Airways as VP Technical Operations in 2023 during the potential merger process. In both roles, Gregg held responsibility for the performance and quality of the airline's maintenance, engineering, and materials functions.

Gregg holds a Bachelor's degree in Aviation Science from Eastern New Mexico University, as well as FAA Airframe & Powerplant and Pilot certificates.

## **William (Bill) Brown**



William (Bill) Brown is Senior Advisor, Quality at Spirit AeroSystems. Previously, Brown served as Senior Vice President of Quality beginning in June of 2022.

Prior to this role he served as Senior Vice President of all Boeing programs for the company. During his tenure, he led Spirit through the historic rate increases leading up to 2019, the grounding of the MAX, and the impact to production from COVID. Under his leadership, he oversaw many of the efficiency and lean improvements in the factory. Brown also served as Senior Vice President and General Manager of Oklahoma Operations, Business/Regional Jets and Global Customer Support, where he was responsible for the Tulsa and McAlester, Oklahoma sites and operations; Business/Regional Jets programs; and Spirit's post-delivery services, including spare parts; maintenance, repair and overhaul (MRO); and product support.

Brown served as Executive Vice President for Global Operations and president for Global Customer Service and Support at Beechcraft, as President and General Manager of AAR Aircraft Services in Oklahoma, and held senior-level positions with Independence Air, Avborne Inc., and Midwest Airlines.

Brown earned a bachelor's degree in aviation management from Oklahoma State University and a Master's degree in Business Administration from Colorado State University. He also holds an A&P license and is a Commercial Instrument Pilot.

## **Chris Eick**

Chris Eick is an Aerospace Engineer with the Federal Aviation Administration (FAA) Aircraft Certification Service, Policy & Standards Division. Chris has been with the FAA for three years and has supported the rulemaking project to amend 14 CFR part 5 to expand safety management systems (SMS) applicability to design and manufacturing organizations. Chris has responsibility for SMS policy development including SMS advisory circular AC 21-58, FAA order 8120.24 for SMS implementation, FAA order 8120.25 for SMS oversight, and associated work instructions and data collection tools.

Prior to joining the FAA, Chris held a wide variety of engineering and management positions at Honeywell Aerospace for 36 years. These roles included ODA Administrator, Product Integrity Director, Chief Systems Engineer, Engineering Manager, and Principal Engineer. Chris has experience in aircraft gas turbine design, aircraft mechanical system design, safety management system development, and product integrity (accident investigation, corrective action, and litigation support).

Chris holds a Bachelor of Science, Master of Science, and Ph.D. in Mechanical Engineering from Arizona State University.

## Michael Bartron



Michael Bartron is the Senior Technical Experts Program's (STEP) Chief Scientist and Technical Advisor (CSTA) for Safety and Risk Analysis. In his discipline, Mr. Bartron helps guide the expansion of Safety Management Systems (SMS) in industry, expanding system safety during design into a lifecycle of safety management and compliance. Mr. Bartron first joined the FAA in 2020 and recently was co-Branch Manager within the FAA Safety Program Management Branch (AIR-360). Since joining FAA, he participated on the ICAO Safety Management Panel and the Safety Management International Collaboration Group, assisting in the update to ICAO Annex 19 – Safety Management. Further, he assisted the Part 21 sub-team for the SMS Rulemaking project in developing policy positions, coordinating with the managing of the SMS Core Team, and providing updates to AIR leadership and the SMS Executive Steering Group and Principals.

Prior to joining the FAA, Mr. Bartron gained nearly three decades of aerospace engineering and safety management experience through various roles at Pratt & Whitney, an aerospace manufacturer, and across the various businesses of United Technologies Corp. He has hands-on experience in turbine engine design, testing, accident investigation, safety management, and products liability. He developed his focus on aviation safety with a one-year detail to the National Transportation Safety Board, as an industry advisor to NTSB Board Member John Goglia. For over 20 years, he contributed to industry committees and helped author multiple standards. Mr. Bartron concluded his industry career as a Technical Fellow and Product Safety Manager. In this role, he integrated quality systems, enterprise risk management, and product development into a corporate-wide safety management program.

Since 2002, Mr. Bartron has also instructed more than 800 students as an adjunct Professor at Vaughn College of Aeronautics. He has developed and instructed several courses: Aviation Safety, Accident Investigations, Introduction to Aeronautics, and Auditing and Risk Management.

## **Steve Slagle**

Program Manager - Project Management Section, Federal Aviation Administration

24 years – FAA

2000 – Present

Program Manager - Project Management Section  
Senior ASI in the West MIO Branch  
Senior ASI in the Seattle MIDO Section  
Aircraft Certification Specialist  
Senior ASI Transport Standards Staff- Safety Management Branch  
Aviation Safety Inspector - Seattle MIDO  
Aviation Safety Inspector - Boeing CMO

FAA Teams

Voluntary Safety Management System Team (VSMS)  
Certificate Management Revision Team (CMRT)  
Manufacturer Safety Management System Team (MSMS)  
Designee Management System Team (DMS)  
AVS Designee Steering Group

1989-2000

The Boeing Company - Quality Assurance organization. Held various positions, from the Equipment Quality Analysis group to BCA Group Quality.

Military

Served in the United States Air Force and Reserve for 28 years, retiring in 2013 at the rank of Chief Master Sergeant. Held many positions in the Air Force, from crew chief on the C-141 to retiring as C-17 Aircraft Maintenance Squadron - Superintendent.

Education

Master of Science in Aviation/Aerospace Management from Embry-Riddle Aeronautical University

FAA A&P Certificate

FCC General Radiotelephone Operator License with radar endorsement.

## **Brian Knaup**

Brian Knaup is the current manager for the FAA AIR-580 System Oversight and Operation Branch. He started his career as a Flight Test Engineer with the US Air Force on the F-22 and KC-46 for 12 years at Edwards AFB, CA and Seattle, WA.

In 2016, Brian joined the FAA as a Certification Program Manager in the Seattle ACO Branch. As a certification program manager, Brian managed TC , ATC and STC projects for mainly rotorcraft, and small airplane projects for various applicants in Washington, Oregon and Idaho.

In 2021, Brian started as a manager in the Boeing Oversight Office for the engineers in Electrical Systems, Avionics/Software and Flight Controls/Mechanical Systems. During AIR Refinement in April 2023, Brian became the acting Certification Branch Manager, AIR-570, until moving in the AIR-580 Branch Manager position in July.

Brian has a Master's of Science Degree in Mechanical Engineering from UCLA and a Master's of Business Administration from Indiana University.

## **Bryan Kilgroe**

Currently the Manager of the FAA Airplane Oversight Section office AIR-582B located in Charleston, SC and in April of 2023 with AIR refinement was designated Boeing PC700 Principal Inspector (PI).

Joined the FAA in September of 2011 as an Aviation Safety Inspector (ASI) in the Seattle Certificate Management Section formerly known as the Seattle Manufacturing Inspection District Office (MIDO). In November of 2013 transferred to the FAA Boeing Certificate Management Office (CMO) in Charleston, SC as an ASI, promoted to Senior ASI in 2019 and Promoted to Manager in 2021.

Prior to joining the FAA

21 years of Airline, Fractional Ownership, Repair station and Parts Manufacturing (PMA) experience, held various roles in maintenance, quality, production and management, hold an FAA A&P Certificate.