



STATE OF RUNWAY INCURSIONS A PATH FORWARD

Tuesday, May 23, 2023 | 8:30AM-12:30PM ET | NTSB Boardroom

Agenda

- 0830-0845 **Welcome and Opening Remarks** Chair Homendy
- 0845-0900 **The Scope of Runway Incursions** FAA
- 0900-1015 **How Can Procedures and Training Be Improved?**
- 1015-1030 **Break**
- 1030-1145 **What Current and Emerging Technologies
Can Be Used to Address Runway Incursions?**
- 1145-1215 **What Other Challenges Do We Face and
What Are the Short- and Long-Term Next Steps
in Order to Avoid a Tragedy?**
- 1215 -1230 **Closing Remarks** Chair Homendy

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List of Participants

Carlos Aguirre, Secretary Treasurer, PROFESSIONAL AVIATION SAFETY SPECIALISTS

Captain **Jason Ambrosi**, President, AIR LINE PILOTS ASSOCIATION

Justin Barkowski, Vice President Regulatory Affairs, AMERICAN ASSOCIATION OF AIRPORT EXECUTIVES

John Collins, Chief Flight Instructor & Manager of Aviation Safety Programs, AIRCRAFT OWNERS & PILOTS ASSOCIATION

Jason Demagalski, Human Performance Team Manager, Air Traffic Organization's Office of Safety & Technical Training, FEDERAL AVIATION ADMINISTRATION

John R. Dermody, Director of Airport Safety & Standards, FEDERAL AVIATION ADMINISTRATION

Russ Dittmer, Administrative Executive Board Member, TRANSPORT WORKERS UNION

Captain **Greg Downs**, Aviation Safety Expert Analyst, NATIONAL AERONAUTICS & SPACE ADMINISTRATION

Patrick Fitzgerald, Senior Director of Air Traffic Management, SAAB INC.

Alex Gertsen, Director, Airports and Ground Infrastructure, NATIONAL BUSINESS AVIATION ASSOCIATION

Captain **Steve Jangelis**, Vice Chair of Aviation Safety, AIR LINE PILOTS ASSOCIATION

Michael G. Klemm, President, District 141, INTERNATIONAL ASSOCIATION OF MACHINIST & AEROSPACE WORKERS

David McCann, Vice President of Aviation, SERCO

Michael McCormick, Ph.D., Assistant Professor & Air Traffic Management Program Coordinator, EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

Brad H. Miller, Senior Chief Engineer, HONEYWELL AEROSPACE

Captain **Casey Murray**, President, SOUTHWEST AIRLINES PILOTS ASSOCIATION

Wayne Pennell, Chief Division of Operations & Maintenance, BALTIMORE/WASHINGTON THURGOOD MARSHALL INTERNATIONAL AIRPORT

Chaminda Prelis, Ph.D., Chair & Associate Professor of the Department of Aerospace, MIDDLE TENNESSEE STATE UNIVERSITY

Scott Proudfoot, Runway Safety Team Manager, FEDERAL AVIATION ADMINISTRATION

Kimberly R. Pyle, Executive Director, Office of Accident Investigation & Prevention, FEDERAL AVIATION ADMINISTRATION

Nobuyo Reinsch, Senior Vice President of Safety & Regulatory Affairs, REGIONAL AIRLINE ASSOCIATION

Captain **Ed Sicher**, President, ALLIED PILOTS ASSOCIATION

Bridget Singratanakul, National Runway Safety Representative, NATIONAL AIR TRAFFIC CONTROLLERS ASSOCIATION

Stephen Szurgyi, Outcome Leader, Air Traffic Safety & Risk Based Safety Management, MITRE

Max Tidwell, Safety Council Vice Chair, AIRLINES FOR AMERICA

Brian Willis, Director of Aviation Safety, UNIVERSITY OF NORTH DAKOTA

Participants' Biographies

Carlos Aguirre, PASS, Secretary-Treasurer

Carlos Aguirre was first elected to national office in October 2018 and is now serving his second term as Secretary-Treasurer. Prior to being elected, Aguirre served as Region I Assistant for five years. He has also represented PASS in various capacities, including regional director for the Americas for the International Federation of Air Traffic Safety Electronics Associations (IFATSEA), lead negotiator for the PASS 2017 Air Traffic Organization contract team, Chapter FL1 president and Region II representative on the PASS National Legislative Committee. He began his career at the FAA as a mechanical engineer in 1987 and became an airway transportation systems specialist in 1997, working at various facilities including the Miami Air Route Traffic Control Center Environmental and System Operations Units and the FAA's National Operations Control Center in Warrenton, Virginia.

Captain Jason Ambrosi, ALPA, President

Capt. Jason Ambrosi is the 12th president of the world's largest airline pilot union representing more than 74,000 airline pilots in the United States and Canada. He is a qualified and current pilot flying the Boeing 767ER internationally at Delta Air Lines.

Capt. Ambrosi began his airline flying career at Atlantic Southeast Airlines, a regional airline. Hired by Delta in 2000 just 18 months prior to 9/11, he was among the many pilots who were furloughed after the attacks.

As president of the world's largest nongovernmental aviation safety organization, Capt. Ambrosi's administration leads more than 425 pilot safety representatives in their work across the spectrum of safety, security, pilot assistance, and jumpseat issues affecting U.S. and Canadian air transportation.

Capt. Ambrosi is committed to representing the line-pilot perspective as aviation safety regulations and standards are developed and applied to passenger and all-cargo flight operations, drawing from more than 25 years of experience flying for both regional and mainline carriers on domestic and international routes.

Capt. Ambrosi is also an active general aviation pilot and a certified flight instructor for single- and multi-engine aircraft, instrument, and rotorcraft/helicopters. He earned a bachelor of science degree in Aeronautical Science from Embry-Riddle Aeronautical University.

Justin Barkowski, AAAE, Vice President, Regulatory Affairs

Justin Barkowski is Vice President, Regulatory Affairs for the American Association of Airport Executives. In his role, Justin oversees and manages regulatory affairs for the organization, representing and advocating for AAAE's members before the U.S. Department of Transportation (DOT), Federal Aviation Administration (DOT), Environmental Protection Agency (EPA), and other agencies that regulate U.S. airports. Recently, Justin has focused on a wide-

range of issues affecting airports, including ongoing implementation of the Bipartisan Infrastructure Law, concerns over the use of PFAS chemicals at airports, FAA-administered grant funding programs, operational and safety issues under Part 139, the safe integration of emerging entrants into the National Airspace System (NAS), and environmental challenges such as addressing aviation emissions.

On behalf of AAAE, Justin represents the airport community on the FAA's Aviation Rulemaking Advisory Committee and as an ex officio member on the Airport Cooperative Research Program (ACRP) Oversight Committee. He also serves on many advisory and safety committees and bodies, including the Research, Engineering and Development Advisory Committee's Airports Subcommittee; Runway Safety Council; General Aviation Joint Steering Committee; Drone Safety Team; and the NextGen Advisory Committee.

Justin received a B.A. in economics from the University of California, Berkeley, and a J.D. from Pepperdine University. He is a licensed attorney in the State of California and District of Columbia and is an instrument-rated commercial pilot. He has published law review articles on federal preemption law in aircraft certification, the Next Generation Air Transportation System, and airport privatization.

John Collins, AOPA, Chief Flight instructor and Manager of Aviation Safety Programs

John Collins is the Chief Flight instructor and Manager of Aviation Safety Programs for the AOPA Air Safety Institute. He is responsible for the online Flight Instructor Refresher Course and the ASI safety seminar and outreach program. John began working at AOPA in 1998 and has held several positions in various departments. Prior to coming to the Air Safety Institute, he was the manager of airport policy in AOPA's government affairs department. He holds Commercial Pilot and CFI certificates. In his 39 years of aviation experience, he has flight instructed, flown Search & Rescue missions and charter flights, and worked as a line service specialist. He is an active CFI with over 2,400 hours of flight time logged and more than 1,600 hours of dual instruction given. John has a bachelor's degree in Aviation Management and Flight Operations from the University of Dubuque. He is a US Army combat veteran, is married and has two grown children. He and his wife live in Martinsburg, WV.

Jason Demagalski, FAA, Human Performance Team Manager in the Air Traffic Organization's Office of Safety and Technical Training

Jason Demagalski is the Human Performance Team Manager in the Air Traffic Organization's Office of Safety and Technical Training. The work of the Human Performance Team covers Human Factors research and consulting support the ATO, Operational Fatigue Risk Management and Health and Wellbeing activities. Jason holds a BSc in Psychology and an MSc in Occupational (Industrial & Organizational) Psychology from Cranfield University in the United Kingdom (UK). With a passion for aviation and a pilot's license,

PARTICIPANTS' BIOGRAPHIES (continued)

Jason began his career in Human Factors working in Flight Deck design and human error prediction for aircraft certification before moving to ATC Human Performance.

From 2004 to 2011, Jason worked for the UK Air Traffic Control provider NATS in the Human Factors Group. Jason led a team of Operational Human Factors specialists supporting ATC facilities in improving training certification rates, OJTI refresher training, implementing training programs & training the trainers for complex technology changes. Jason also worked with facility safety departments to investigate ATC incidents to provide recommendations to improve safety. He trained ATC investigators in how to investigate the Human Factors aspects of incidents.

Jason joined the FAA in 2011 working in the NextGen Human Factors Research and Engineering Division. As the Branch Manager, he oversaw both the Air Traffic Control and Flight Deck Human Factors HQ research programs. In September 2014, Jason moved to the ATO and into Safety and Technical Training to start the formation of an operationally focused Human Performance team.

John R Dermody, FAA, Director of Airport Safety and Standards

John R. Dermody was selected as the Federal Aviation Administration (FAA) Director of Airport Safety and Standards in December 2016. In this role, he is responsible for the executive leadership of the airport safety and operations, engineering and emerging entrants divisions. This role also includes the leadership of the ARP International Program and the airport research programs under Airport Technology Research (ATR) and the Airport Cooperative Research Program (ACRP).

He has over 27 years of aviation experience in both the private and public sectors. John was formerly the FAA Manager of the national Airport Engineering Division and the Manager of the New York Airports District Office (NYADO), and has also worked in the private sector as a registered Professional Engineer, managing the engineering division for an aviation planning and engineering firm.

Russ Dittmer, TWU, Administrative Executive Board Member

Russ Dittmer is an Administrative Executive Board Member with the Transport Workers Union of America Local 591. Russ is a US Army Reserve Veteran, where he worked as a helicopter hydraulic and pneumatic mechanic. He holds FAA Airframe and Powerplant (AMT) mechanic ratings. He earned a Bachelor of Arts Degree in Labor Studies from the National Labor College, and a Master of Science Degree in Negotiation and Dispute Resolution from Creighton University. In addition, he is also currently an AMT Crew Chief, with extensive ETOPS experience, and he has been working in the airline industry for the past 34+ years.

Captain Greg Downs, NASA, Aviation Safety Expert Analyst

Captain Greg Downs (retired) is an Aviation Safety Expert Analyst for NASA's Aviation Safety Reporting System (ASRS). ASRS is a voluntary, confidential, non-punitive reporting system that receives reports from pilots, air traffic controllers, dispatchers, cabin crew, ground personnel and maintenance technicians. The role of ASRS is to screen reports for safety hazards, de-identify the reports to protect reporter confidentiality, and disseminate safety information to the aviation community.

Greg has been flying for over 50 years and has a background in all facets of Civil Aviation including General Aviation, Commuter, Corporate, and Air Carrier operations. He is type rated on the IA-1124, B737, B757, B767, and B787.

Greg has extensive experience in Aviation Safety Action Program (ASAP) and Flight Operations Quality Assurance (FOQA) programs. Additionally he has participated in the introduction and implementation of safety initiatives including Traffic Collision Avoidance System (TCAS) and Air Traffic Safety Action Program (ATSAP).

He has held various other union and company positions involving aviation safety and has received a number of awards in recognition of his contributions in those areas over his 37 year career.

Greg is an Honors Graduate of the University of Texas at Austin and resides in Newtown PA.

Patrick Fitzgerald, Saab, Senior Director of Air Traffic Management

Patrick Fitzgerald leads Saab's Air Traffic Management business, which provides safety and efficiency systems to the FAA and other air navigation service providers, airport operators, and airlines around the world. He has 23-years of industry experience and is an expert on multilateration, ADS B, and ATC tower safety systems like the FAA's ASDE-X and ASSC systems, which Saab is the prime contractor on.

Alex Gertsen, NBAA, Director of Airports and Ground Infrastructure

As Director of Airports and Ground Infrastructure at the National Business Aviation Association (NBAA) Alex is responsible for runway and surface safety initiatives. He also leads the efforts protecting airport access and advocating for airports on behalf of business aviation. Additionally, his portfolio includes addressing aviation noise and infrastructure for Advanced Air Mobility. Alex is currently serving as the Industry Co-Chair for the Surface Safety Group (SSG).

With 25 years' experience in the aviation industry, Alex is an active instrument-rated commercial pilot and aircraft owner. He regularly relies on his Mooney for air transportation and flies a Cirrus as a contract pilot for a local charter operator.

Alex started his aviation career coordinating aircraft charters and logistics in the White House Travel Office. Subsequently, Alex's passion for technology coupled with his focus on safety grew as

PARTICIPANTS' BIOGRAPHIES (continued)

part of his work at Lockheed Martin where he worked on a number of runway safety projects. He continued his runway safety efforts at the American Association of Airport Executives (AAAE) where he was involved in organizing the annual Runway Safety Summit among other initiatives. Alex also worked at the Air Traffic Control Association (ATCA). Immediately prior to joining NBAA, he founded Aviation Fury, LLC, working with leading aviation technology companies to develop and bring innovative safety solutions to airports and general aviation.

Alex holds a BS in Computer Science from The George Washington University and a MS in Technology Management from The Johns Hopkins University.

Captain **Steve Jangelis**, ALPA, Vice Chair of Aviation Safety

Captain Steve Jangelis is the former Aviation Safety chair and current Vice Chair of Aviation Safety for the Air Line Pilots Association, Int'l Air Safety Organization. The ALPA Air Safety Organization has over 435 line-pilot volunteer safety subject-matter experts and is the largest nongovernmental safety organization in the world. Captain Jangelis was responsible for safety matters representing over 69,000 pilots at 39 airlines in the United States and Canada.

Captain Jangelis serves as the industry co-chair of the Federal Aviation Administration's Aviation Safety Information Analysis and Sharing (ASIAS) system. He is also representing ALPA as a member of the FAA/Industry Commercial Aviation Safety Team (CAST) and served on several government and industry groups. These include his tenure as a member on the REDAC subcommittee for Airports, Industry Co-Chair for the FAA's Runway Safety Council and he also served as a member on the FAA's Airport Construction Advisory Council.

Captain Jangelis has an abundance of safety and operational experience both domestically, internationally, including passenger and all-cargo operations. Currently a Line Check Airman on the Boeing 757/767 for Delta Air Lines, Captain Jangelis has previously flown the Airbus A320, Boeing 717, 727, and the McDonnell Douglas MD-80/90 series aircraft. Captain Jangelis has a diverse background in aviation gaining airport operations experience as an airfield operations and maintenance technician at a Midwest U.S. airport and has been a guest speaker and panelist at many airport accreditation schools' training seminars. Captain Jangelis has participated in safety risk management panels on runway construction, airspace modifications, and UAS and Commercial Space integration. Captain Jangelis also participated as a simulator operational testing pilot for Data-Comm taxi installations, Final Approach Runway Occupancy Signal (FAROS), and SMGCS evaluations. Captain Jangelis is a former simulator and Ground School instructor.

Captain Jangelis is an ALPA Accident Investigator. He has served as ALPA party coordinator and participated in Airports, Voice Recorder and Structures Groups in official NTSB accident and incident investigations for the Delta Air Lines ALPA Master Executive Council and is on ALPA's Accident Investigation Board.

Mike Klemm, IAM, President District 141

Michael Klemm President and Directing General Chairman of District Lodge 141 of the International Association of Machinists and Aerospace workers.

Mike's journey in the aviation sector began in 1992 with the Machinists Union, where he served on United Airlines' JFK ramp. A dedicated union activist, he diligently served his colleagues on the Local 1322 Grievance Committee and later as Local Lodge President. His commitment and leadership earned him the position of Assistant General Chair in 2008, culminating in his appointment as District 141 President in 2015.

Under Mike's leadership, five airlines and contractors have together invested more than one hundred million dollars in safety upgrades. These upgrades include restructuring baggage sorting and transportation and a complete overhaul of how bags are loaded into airplanes. His dogged commitment to safety has also helped convince airlines to sharply reduce mandatory overtime for employees. We all understand the dangers posed by exhaustion in the airline industry. Contracts that Mike has helped forge have made overworking frontline employees cost-prohibitive. Mike's work has also led to the adoption of no-fault safety reporting at the largest airlines in North America. These innovative new programs have essentially made everyone working at airlines such as United safety inspectors, with the power to report and develop mitigation strategies for safety-related issues, incidents, and improvements. In other words, airlines now have tens of thousands of frontline, knowledgeable, and engaged safety experts.

David McCann, SERCO, Vice President of Aviation

David McCann is Serco's VP, Aviation, responsible for all U.S. Aviation contracts. His customers include the Federal Aviation Administration, local governments, and authorities. He oversees operations at 62 locations in 11 states from Colorado to Alaska, and the Aviation Program Management Office in Tennessee. Mr. McCann has been a Serco employee for 24 years and has extensive experience managing complex programs/contracts with a geographically dispersed workforces performing highly regulated, safety-sensitive work. He is a U.S. Air Force veteran and Air Traffic Controller with over 35 years in the Aviation industry. He has expertise in Aviation Operations, Safety, Training and Quality. Mr. McCann has a BS in Professional Aeronautics, summa cum laude from Embry-Riddle Aeronautical University and additional undergraduate studies in Education. He is a member of the American Association of Airport Executives, United States Contract Tower Association Policy Board, a Member of the Air Traffic Control Association, and various other industry organizations.

Michael McCormick, Ph.D., ERAU, Assistant Professor and Air Traffic Management Program Coordinator

Michael McCormick is an Assistant Professor and Air Traffic Management Program Coordinator of the Applied Aviation Sciences Department at Embry-Riddle Aeronautical University. Recently,

PARTICIPANTS' BIOGRAPHIES (continued)

Michael received his PhD from the George Mason University Schar School of Policy and Government. He retired as Vice President, Management Services in the Federal Aviation Administration Air Traffic Organization. His portfolio included labor, contracts, fiscal budget, business services, communications, strategic planning, organizational effectiveness, administrative services, talent and resource policy, employee development and diversity.

Previously, Michael served as Executive Director responsible for day-to-day operations of tower and approach control services for the Federal Aviation Administration. Also, he was Director of Safety and Operations Support responsible for standardization, safety and compliance of air traffic control procedures and operations in 256 FAA Airport Traffic Control Towers, 147 Approach Controls and 245 FAA Contract Towers.

Additionally, Michael performed as the Transportation Attaché, United States Embassy, Iraq. In this role, Michael advised and assisted with strategic planning and program synchronization, specifically focused on transportation systems, to improve local services and ensure the flow of passengers and goods.

The US Secretary of Transportation awarded Michael the 9-11 Medal for his role in immediately clearing New York airspace on September 11, 2001. In addition, Michael was awarded the Secretary of Transportation Gold Medal and the Global War on Terrorism Medal for his service in Iraq.

Brad H. Miller, Honeywell Aerospace, Senior Chief Engineer

Brad Miller is a Chief Engineer with Honeywell Aerospace based in Phoenix, AZ, USA. He has design oversight for the following Honeywell product lines: Surveillance, DataComm, Recorders, CMS, and HMS. Brad is responsible for Surveillance avionics products, including Enhanced Ground Proximity Warning Systems (EGPWS), Traffic Collision Avoidance System (TCAS)/Transponder Systems, Aircraft Environment Surveillance System (AESS), TXD Integrated L-Band, Emergency Locator Transmitter (ELT), as well as DataComm Radios and Datalink, Cockpit Voice/Flight Data Recorders, Printers, Cabin Management Systems (Ovation Select), and Health Management Systems (HMS) products.

Brad joined Honeywell in 1995. He has 33 years of experience in avionics development including Flight Safety systems and Radar products.

Captain Casey Murray, SWAPA, President

Captain Casey A. Murray is president of the Southwest Airlines Pilots Association (SWAPA). He was elected president in the fall of 2020 and began his term in January 2021.

Captain Murray, 55, was born in Atlanta, Georgia, and earned a Bachelor of Science in aeronautical studies with a minor in public relations/advertising from the University of North Dakota. He then went on to earn his doctor of jurisprudence from The John Marshall Law School.

Casey was hired by Southwest Airlines in 2007 after spending 17 years at Atlantic Southeast Airlines (ASA). During his time at ASA,

he held the position of Check Airman and was on the Air Line Pilots Association (ALPA) negotiating team.

He began serving the pilots of SWAPA in 2009 when he joined the Negotiating Committee. He remained on that committee until 2012, helping with the integration of pilot groups following Southwest Airlines' acquisition of AirTran in 2010. After a break, he returned to SWAPA in early 2015 and began work with the Training and Standards Committee. At the end of 2015, he was chosen to help recruit and chair a new Negotiating Committee following the failure of the first Contract 2012 tentative agreement (TA). After resuming formal talks with Southwest Airlines in early 2016, his team successfully negotiated a second TA that was ratified by 84% of the pilot group, the largest margin in SWAPA history. Captain Murray was also instrumental in guiding SWAPA through a series of first-ever informational picketing events, including the largest single-day event in commercial aviation history when 1,000 SWAPA pilots participated in an event at Southwest Airlines' home base at Dallas Love Field.

Casey lives in Fort Walton Beach, Florida, with his wife of 26 years. They have one son in college working on a degree in medicine. He and his wife are very involved in their community and continue to run several businesses, as well as oversee the planning and execution of two successful churches.

Wayne Pennell, BWI, Chief, Division of Operations & Maintenance

Wayne S. Pennell, A.A.E., is the Chief, Division of BWI Operations & Maintenance, for the Maryland Aviation Administration (MAA), at Baltimore/Washington International Thurgood Marshall (BWI Marshall) Airport. In this capacity, he is responsible for seven Offices, to include; Airport Operations, Security, Grounds and Facilities Maintenance (to include Utilities/CUP), Fleet Maintenance, Custodial Services, ARFF, and MOU's with the MDTA Police, FAA and TSA. Prior to his appointment at the MAA, Pennell served as the Area General Manager for Signature Flight Support/ASIG from December 1989 to July 2003. He was responsible for financial and operational decisions at BWI Marshall, Ronald Reagan National, and Philadelphia International Airports.

He served in the United States Army Reserve as a Chief Warrant Officer, Aviator from May 1984 until May 1990 earning both rotorcraft and single/multi-engine fixed wing commercial instrument pilot certifications.

Prior to and during his service with the U.S. Army, Pennell attended school at North Shore Community College and Salem State University with a degree in Aviation Management.

Pennell is a graduate of the Harvard Kennedy School Executive Education Program for Senior Executives in State and Local Government and is an Accredited Airport Executive with the American Association of Airport Executives.

PARTICIPANTS' BIOGRAPHIES (continued)

Chaminda Prelis, Ph.D.– MTSU, Chair and Associate Professor of the Department of Aerospace

Chaminda Prelis currently serves as the Chair and Associate Professor of the Department of Aerospace at Middle Tennessee State University (MTSU). Before moving to Tennessee in 2021, he served as the Director of Aviation Programs and Associate Professor of Aviation at the University of Dubuque in Dubuque, Iowa. Dr. Prelis has been active within the University Aviation Association (UAA) for over eight years and is currently the President of the Board of Trustees. Additionally, he serves as a visiting team member for both UAA and the Aviation Accreditation Board International (AABI). He completed his Ph.D. in Organizational Leadership at Northcentral University, and earned a M.S. in Aviation and a B.B.A. in Aviation Management from the University of North Dakota. Dr. Prelis' area of interest for research includes leadership challenges in the generational diversity and shift within the Aerospace Industry and the challenges faced by leadership due to staffing shortages. His industry experience includes work as a Station Manager for Northwest Airlines and Delta Air Lines. Dr. Prelis is also a certified commercial pilot with instrument and multi-engine ratings.

Scott Proudfoot, FAA, Runway Safety Team Manager

Scott Proudfoot, Runway Safety Team Manager at FAA Headquarters. Air traffic controller since 1992. Started my career in Richmond, VA as a tower/radar controller. Moved to Baltimore, MD in 1995 and was a controller in the tower/radar until Potomac TRACON opened up. I was amongst the first controllers to work at Potomac TRACON from 2003 to 2007. In 2007 I moved to FAA Headquarters and did 2 years as an accident investigator in the Office of Aviation Safety. In 2009, I helped start the FAA's ATSAP Program for the air traffic controllers and worked on that program until 2011. In 2011, I returned to BWI Tower as a Supervisor. In 2015, I became the Operations Manager at BWI Tower and, at times, acted as the Air Traffic Manager. In 2020, I moved to FAA Headquarters and began working for the runway safety program and have been here since.

Kimberly R. Pyle, FAA, Executive Director Office of Accident Investigation and Prevention

Kimberly Pyle (she/her) serves as the Executive Director for the Federal Aviation Administration's (FAA) Office of Accident Investigation and Prevention, which is the FAA's principle organization for all aircraft accident investigations and activities related to the National Transportation Safety Board (NTSB). The Office of Accident Investigation and Prevention is also responsible for engaging directly with collaborative industry and government initiatives such as the U.S. Commercial Aviation Safety Team (CAST), Aviation Safety Information Analysis and Sharing (ASIAS), and General Aviation Joint Steering Committee (JSC) to identify leading accident indicators and implement mitigations to prevent future events.

Ms. Pyle previously served in executive roles in the FAA's Air Traffic Organization (ATO), including as the Deputy Vice President for the Safety and Technical Training (AJT) service unit and Director

of Policy and Performance within AJT. Ms. Pyle also represented the FAA as the Civil Air Navigation Services Organization (CANSO) Safety Program Manager where she led safety matters related to air traffic management across CANSO and the air transport industry. She previously served in the ATO as the Director for Congressional Communications, Program Manager for Partnership for Safety and Senior Advisor to the Office of Safety Vice President after getting her start in Air Traffic Systems Development and ATO Communications. She began her career as a staffer for members in the U.S. House of Representatives and U.S. Senate.

Nobuyo Reinsch, RAA, Senior Vice President of Safety and Regulatory Affairs

Nobuyo Reinsch was named Senior Vice President of Safety and Regulatory Affairs for Regional Airline Association (RAA) in January 2023. Reinsch leads policy development on regulatory matters and oversees aviation safety & security related issues. Reinsch joined RAA as Vice President, Aviation Safety & Security in August 2019. In her role, Reinsch represents 17 North American regional airlines in various industry and government working groups such as the Commercial Aviation Safety Team (CAST) Executive Committee and Aviation Safety Information Analysis and Sharing (ASIAS) Executive Board. She serves as a member of agency advisory committees, including the Aviation Security Advisory Committee (ASAC).

Reinsch has a solid background in international, domestic and civil aviation. Her experience includes eight years in airline/airport operations as well as over twenty years in aviation safety and security. Before joining RAA, Reinsch worked for the Aircraft Owners and Pilots Association (AOPA) as Director of Government Affairs, Aviation Security and was actively involved in facilitating security policy improvements. Previously, she served as Manager, Operations and Safety Analysis at Airline for America.

Reinsch has two Master's Degrees from the George Washington University: Master of Science in Project Management and Master of Tourism Administration. She also holds an FAA Private Pilot Certificate with instrument rating.

Captain Ed Sicher, APA, President

APA President Captain Ed Sicher has flown for American Airlines since 1998, and he has been based at MIA, LGA, and ORD over the course of his career. Before being elected President in 2022, he represented the pilots of MIA as their Domicile Vice Chair (2015-2018) and Domicile Chair (2021-2022).

Prior to being hired by American, Captain Sicher served in the U.S. Air Force, where he piloted the McDonnell Douglas F-4 "Phantom" and the Fairchild Republic A-10 "Warthog." He also served as an acquisition officer and hardware engineer for U.S. Space and Missile System Center in Los Angeles, and the Military Liaison Officer for the U.S. Consulate in Curacao. He retired with the rank of Lieutenant Colonel having earned an Air Medal for Combat. At American, he has served as a Flight Engineer on the Boeing 727, has flown the Boeing 757 and 767, and is currently a Captain on the Boeing 737.

PARTICIPANTS' BIOGRAPHIES (continued)

Born in Roseland on the south side of Chicago, Captain Sicher graduated from Marist High School and earned a bachelor's degree in electrical engineering from Chicago's Illinois Institute of Technology, where he was a Lincoln State Scholar and his university's Rhodes Scholar nominee. He was also President of Pi Kappa Phi fraternity before being commissioned into the Air Force. He also studied human resources and labor relations, earning a master's degree from Chapman University.

Captain Sicher was also a small business owner and extensively involved in community service, receiving the YMCA's Broward County Volunteer of the Year award after running Fort Lauderdale's Soap Box Derby Race. He resides in Fort Lauderdale, Fla., with his wife and youngest child.

Bridgette Singratanakul, NATCA, National Runway Safety Representative

Bridget Singratanakul is an Air Traffic Controller at DFW Tower and the National Air Traffic Controllers Association (NATCA) National Runway Safety Representative. She also holds a Commercial multi-engine pilot rating. Additionally, Bridget represents IFATCA (International Federation of Air Traffic Controllers Association) and NATCA to ICAO as the Runway Safety Expert and member of the Aerodrome Design and Operations Panel (ADOP). She is a member of the Airport Construction Advisory Council (ACAC) supporting airport construction activities throughout the National Airspace System and Internationally. Bridget is Industry Co-Chair for the Runway Safety Council (RSC) and a member of the Surface Safety Group (SSG) which leads government and industry efforts in understanding causes of runway incursions and develops recommendation strategies to mitigate/reduce serious surface events through implementation of data-driven, risk-based integrated systems approach.

Stephen Szurgyi, MITRE, Outcome Leader | Air Traffic Safety & Risk-Based Safety Management

Utilizing his background in systems engineering and operations research, Stephen Szurgyi weaves together experience from his 17-year career and the expertise from his fellow aviation safety stewards to oversee the Safety and Training outcome for The MITRE Corporation's Center for Advanced Aviation System Development, the FAA's Federally Funded Research and Development Center (FFRDC). Stephen's focus is on advancing safety to the next level by championing effective leadership and strategic partnering on air traffic safety, technical training, and the evolution towards risk-based safety management.

Max Tidwell, A4A, Safety Council Vice Chair

Max Tidwell serves as vice president of Safety & Security at Alaska Airlines, overseeing all safety functions, developing, and executing long-term safety and security strategies, and advancing the airline's world-class safety culture. In this role since 2018, Max oversees the safety of the more than 41 million guests a year on 1,200 daily flights to 120+ destinations throughout the U.S. and Canada, Mexico, Costa Rica, and Belize.

Under the leadership of Max and his team, Alaska Airlines employees have continued their commitment to safety with "Ready, SAFE, Go," an internal program that empowers people to pause the operation at any time if they have a safety concern. Alaska Airlines has continuously received praise for being a world leader in operational safety advancements and has also been named among the top 10 safest airlines in the world and the top U.S. airline by AirlineRatings.com for each of the past 6 years since 2017.

With more than three decades of aviation experience as a pilot, mechanic, and regulator, Max joined Alaska Airlines in 2018 after a 22-year career with the Federal Aviation Administration. He served as a Division Manager for the FAA Flight Standards Air Carrier Safety Assurance organization. In this role, he was instrumental in the realignment of the organization to gain efficiencies, normalize application of policy and procedure, and create a culture of trust and transparency for shared safety programs. He was responsible for the FAA oversight of safety programs, regulatory compliance, incident investigations, certification and development and acceptance of Safety Management Systems for Air Carriers operating worldwide.

Max also served over 32 years in the military, retiring in 2019 from the Washington Air National Guard.

Max holds a bachelor's degree in Aviation Management from Southern Illinois University and an associate's degree in Maintenance Technology. He is an Air Transport Pilot rated in the Boeing 737 and FAA Airframe and Powerplant Mechanic. He enjoys spending time with his family and being outdoors.

Brian Willis, UND, Director of Aviation Safety

Brian Willis is the Director of Aviation Safety for the University of North Dakota (UND). Brian has spent the last 19 years and more than 4,000 flight hours in flight education while holding several positions and responsibilities as a flight instructor, assistant chief and currently the Director of Aviation Safety for UND Aerospace. Through these positions he has seen numerous safety trends and constants, with runway incursions being one of them. As the Director of Aviation Safety, Mr. Willis works alongside the management teams in Grand Forks, ND and Mesa Arizona to ensure operational and organizational safety is prioritized and maintained throughout flight training. The students and instructors average roughly 105,000 flight hours in Grand Forks and an additional 30,000 flight hours in Mesa where airspace safety remains a constant in pilot education. UND Aerospace uses aircraft flight data, landing statistics and regular meetings with local ATC facilities to help lower the probability of runway incursions from taking place. Brian utilizes this information and trends around MORs and runway incursions to communicate back to the pilot group to improve the overall safety of flight training. The goal of the management team in both Grand Forks and Mesa is to reduce the risk of runway incursions to the lowest practice level with the ultimate goal being zero.