

September 18-20, 2023 • Horseshoe Las Vegas

COMMUNICATING FOR **SAFETY**

NATIONAL AIR TRAFFIC CONTROLLERS ASSOCIATION

ELEVATING TODAY'S
STANDARDS
TO MEET THE
DEMANDS OF **TOMORROW**



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Welcome to Communicating for Safety 2023!



Rich Santa
President



Andrew LeBovidge
Executive Vice President



John Murdock
Chair, NATCA Safety Committee



Tom Adcock,
*Director, NATCA Safety
& Technology Dept.*

We would like to extend our warmest welcome to NATCA's 2023 Communicating for Safety Conference.

Over two decades ago, NATCA embarked on a mission to create a platform that fosters open dialogue and the exchange of ideas surrounding aviation safety. Today, we can proudly say that this event has become that platform. Since its inception in 1999, CFS has brought aviation professionals from around the world together to discuss our shared challenges. Today, 24 years later, it is truly an honor to be part of this remarkable event that has become the premier aviation safety conference globally.

The heart of this conference lies in the general sessions held in the main hall. Here, we delve into every facet of a safe and efficient air transportation system. We have an outstanding lineup of keynote speakers, including Dr. John Thomas, Executive Director of MIT's Partnership for Systems Approaches to Safety and Security; Richard McSpadden, Senior Vice President of AOPA's Air Safety Institute; the Honorable Jennifer Homendy, National Transportation Safety Board Chair; Dr. Amy Grubb, who works with the FBI and is an internationally recognized expert on leadership, change, collaboration, engagement, performance, and organizational culture; and Polly Trottenberg, FAA Administrator (Acting). Throughout the coming days, you also will be exposed to the expertise of NATCA's Article 114 representatives, their FAA counterparts, and industry representatives. These professionals will highlight their pivotal roles in maintaining and operating our aviation system.

The aviation industry is vast and complex, comprising a multitude of technologies and programs that shape the way we operate and ensure safety in the skies. The CFS exhibition hall is a testament to this dynamism, highlighting both emerging technologies and ongoing modernization projects. We encourage each one of you to explore this space, engage with our NATCA Article 114 Representatives, FAA program managers, and conference sponsors. These interactions will provide you with insights into the current and future capabilities that will undoubtedly influence the trajectory of your careers.

For those of you who are attending this conference for the first time, welcome. You are part of an exciting journey that begins here. Embrace this opportunity and seek ways to actively participate and engage. Roughly 35% of our attendees are first timers, so you're not alone in embarking on this experience. As we gather here, we are standing at a crossroads that brings with it new leadership appointments, the impending FAA authorization expiration, and the culmination of the NextGen modernization program.

Over the past decade, we've seen the successful integration of NextGen elements, laying the foundation for the transformation of our National Airspace System (NAS). The decade ahead poses new challenges and opportunities that we must collectively address. The strength of NATCA lies in its unified voice, a powerful labor force operating in the most intricate airspace, bound together by an unwavering commitment to safety. From historical tools like flags and grease pencils to cutting-edge digital systems, air traffic controllers remain a constant, the human element ensuring the safety of our skies.

As we navigate this pivotal moment, we eagerly anticipate the appointment of a new administrator and the renewal of FAA authorization. These strategic developments will shape our trajectory over the next five years. Additionally, over the next year or two we will see the NextGen modernization program winding down, a program that many of you have grown up with. A \$40 billion, 20-year vision that has significantly transformed our industry. Amidst these transitions, our leadership, membership, and NATCA staff are diligently communicating our goals to guide the processes of change.

Let's take pride in the remarkable achievements of the past decade. From airspace redesign to advanced technologies like ADS-B Out and In capabilities, DataComm, SWIM, and weather products all built upon the foundation of ERAM. We've consistently demonstrated our ability to embrace innovation. The integration of ADS-B, the growth of commercial space and unmanned aerial systems industries, and the emergence of electric vertical takeoff and landing technology have reshaped the aviation landscape.

The challenges ahead are met with proactive solutions. An Interagency Working Group has been formed to envision an Advanced Air Mobility system that builds upon NextGen and accommodates the evolving aviation landscape while striving for environmental sustainability. Safety will be assured through data sharing capabilities, an unprecedented shift that mirrors our past achievements in reducing passenger fatalities.

NATCA's strength lies in our collaborative spirit. We have repeatedly demonstrated our ability to embrace new technologies and procedures through involvement from the requirements phase to implementation. As modernization evolves, our system will transform incrementally, remaining robust and secure.

Together with the FAA and fellow aviation stakeholders, we must forge ahead to uphold our priorities. Safety Above All continues to be NATCA's guiding principle. Only through continued participation can we ensure our voices resonate and the NAS remains a pinnacle of aviation excellence.

We extend our heartfelt gratitude to each one of you for demonstrating your dedication, professionalism, and unwavering commitment by coming to CFS 2023. It's an honor to stand among the NATCA family as we collectively shape the future of aviation safety.

Our Union thanks all the CFS sponsors, especially our 2023 Grand Benefactors – American Airlines, Collins Aerospace an RTX Company, CSSI, and L3Harris – and Platinum Sponsors – Delta Air Lines, Leidos, and SAIC – for their continued support of this important conference. We give particular thanks to Raytheon/Collins as they were the first CFS sponsor and have been the longest standing supporter of the conference.

We also thank the CFS planning committee and the NATCA staff who put in many hours of work to make this conference as great as it is.

On Tuesday, we will continue our tradition of honoring extraordinary NATCA members and friends at the annual CFS awards luncheon. On Wednesday evening, we also will honor our profession's best at the Archie League Awards banquet dinner. NATCA members will be recognized for their incredible performance and will receive an Archie League Medal of Safety or a Region X Commitment to Safety award.

It is our hope that you will take away some new information and insight that will help you on the job as you deal with daily challenges. Have a great conference!

Sincerely,

Rich Santa,
President

Andrew LeBovidge,
Executive
Vice President

John Murdock,
Chair,
NATCA Safety
Committee

Tom Adcock,
Director,
NATCA Safety &
Technology Dept.



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CFS Code of Conduct

The National Air Traffic Controllers Association, AFL-CIO (NATCA) is committed to providing an environment free from discrimination and harassment, regardless of an individual's race, ethnicity, religion, color, sex, age, national origin, sexual orientation, disability, gender identity or expression, ancestry, pregnancy, or any other characteristic protected by law. As such, NATCA will not tolerate discriminatory, harassing, or otherwise unacceptable behavior in the workplace or at any of its activities, events or meetings. In this effort, NATCA adopts the following Code of Conduct, and expects its staff, its members, its leadership and any other participants in NATCA activities, events, or meetings, to abide by it.

NATCA expects its staff, its members, its leadership, and any other participants at NATCA activities, events, or meetings to:

- Respect others and their views
- Recognize and value individual differences
- Not engage in aggressive, bullying, or intimidating behavior
- Not engage in discriminatory or harassing behavior

If you experience or witness unacceptable behavior, please inform one of the designated individuals listed in this notice. If you are NATCA staff and covered by the ONEU-NATCA CBA, you may also report to your supervisor, the NATCA General Counsel, or the NATCA Executive Vice President, pursuant to Article 57 of the Parties' CBA.

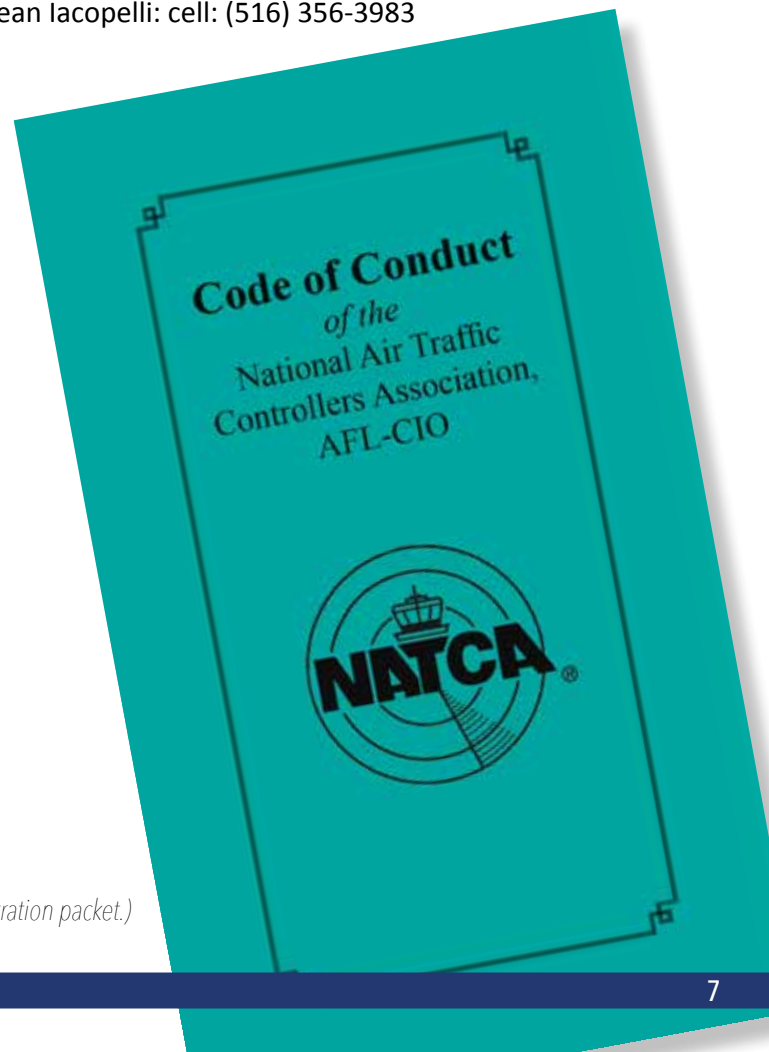
NATCA takes these complaints seriously and any individual engaged in discriminatory and/or harassing conduct will be subject to disciplinary action, which may include exclusion from the event or meeting, up to and including termination of employment, or expulsion from NATCA, as appropriate.

If needed or requested, NATCA staff and/or officials will help complainants contact security or local law enforcement, provide escorts, or otherwise assist complainants to feel safe for the duration of the activity, event, or meeting. In instances involving allegations of assault or other criminal activity, NATCA shall advise the complainant to file a report with the appropriate law enforcement agency but will not pressure complainant to file such report. The NATCA official will also make NATCA bargaining unit employee complainants aware of their rights under Article 57 of the CBA.

Any complaint brought under this Code of Conduct will be treated confidentially to the extent that it is possible to do so while properly assessing the situation. NATCA will take all appropriate steps to ensure that the complainant is no longer subject to the unacceptable behavior. NATCA shall thoroughly investigate any allegations or complaints of discriminatory conduct, including sexual harassment, when properly notified and shall take corrective action to stop any and all such conduct found to be occurring.

NATCA will not tolerate retaliation against any individual who complains of unacceptable behavior under this Code of Conduct. NATCA will take any steps necessary and appropriate to ensure that retaliation does not occur and, if there is reason to believe that retaliation has occurred, NATCA will immediately take all necessary and appropriate action to stop the retaliation.

If you want to report an incident or have any issues during the event, please feel free to send an email to cfsconduct@natca.org or contact: Dean Iacopelli: cell: (516) 356-3983



(Please refer to the full NATCA Code of Conduct in your registration packet.)

Agenda



MONDAY, SEPTEMBER 18

8 a.m.-6 p.m. | Registration open

9 a.m. | Exhibit Hall opens

Tech Talks | *Exhibit Hall Theater*

9:30-11:20 am

Voice Communication

- Jon Shedden, *National Voice Comm Representative, National Air Traffic Controllers Association (NATCA)*
- Clarissa Riffe, *Program Manager, Program Management Organization (PMO), Federal Aviation Administration (FAA)*

Airspace Modernization Roadmap (AMR)

- Josh Haviland, *National Airspace Representative, NATCA*
- Ryan Almasy, *Executive Director, Air Traffic Organization Service Centers, FAA*

Surface Surveillance

- Chris Corapi, *National Surface Surveillance Representative, NATCA*
- Matt McCann, *Program Manager, FAA*

Flow Management Data and Services (FMDS)

- Matt Gammon, *National Flow Management Data and Services (FMDS) Representative, NATCA*
- Casey Nair, *Program Manager, FAA*

General Session | *Horseshoe Event Center*

12:00-12:30 pm

Welcome and Code of Conduct

Presenting the Colors

- Nellis Air Force Base Honor Guard

National Anthem

- Jennifer Lier, *Former Miss Nevada*

Keynote Address: State of the NAS

- Rich Santa, *President, NATCA*

Conference Welcome

- John Murdock, *Chair, National Safety Committee, NATCA*

12:30-1:00 pm | *Pillars of a Safety Culture -*

Richard Kennington, *NATCA*

1:00 p.m. - 1:45 p.m. | **Keynote Speaker**

John Thomas, Ph.D., *Executive Director of MIT's Engineering Systems Lab*

1:45 p.m. - 2:30 p.m. | **Panel: Getting Real Results: A Look at Actual Events**

John Thomas Ph.D., *Executive Director of MIT's Engineering Systems Lab*, and Stephen Palyok, *Safety Systems Engineering & Design, American Airlines*

2:30 p.m. - 3:30 p.m. | **Break**

3:30 p.m. - 4:10 p.m. | **Panel: Change Starts with You. Be a Part of the Solution.**

Moderator: Richard Kennington, *NATCA*, Joe Winingar, *Federal Aviation Administration (FAA) Director of Safety*

Panelists: Erich Chouinard, *NATCA Western Event Review Committee* • Dawn Johnson, *Confidential Information Share Program, NATCA* • Laforrest Leake, *ATSAP Team Manager, FAA* • Paul Soporowski, *Aviation Safety Action Program, United Airlines*

4:10 p.m. - 4:40 p.m. | **Panel: Safety Culture at the Local Level**

Moderators: Bethany Bohnenstiehl, *Operational Supervisor, St. Louis TRACON (T75), FAA* • Richard Kennington, *NATCA*

Panelists: Alex Cisneros, *Facility Representative, Southern California TRACON (SCT), NATCA* • Thomas Gordan, *Acting XO, SCT*, • Mike Taylor, *Partnership For Safety, NATCA* • Joe Winingar, *Director of Safety, FAA*

4:40 p.m. - 5:30 p.m. | **Keynote Speaker**

Richard McSpadden, *Senior Vice President, Air Safety Institute, Aircraft Owners and Pilots Association (AOPA)*

Evening Events

• **5:30 p.m. - 7:00 p.m.** | **Sponsors and Exhibitors Meet & Greet Exhibit Hall**

• **6:30 p.m. - 8:30 p.m.** | **NCF Poker Tournament Horseshoe Poker Room**

TUESDAY, SEPTEMBER 19

7:30 a.m. | **Continental Breakfast, Exhibit Halls**

7:30 a.m. - 4:00 p.m. | **Registration Open**

General Session | *Horseshoe Event Center*

8:30 a.m. | **Welcome**

Andrew LeBovidge, *Executive Vice President, NATCA*

8:40 a.m. - 9:00 a.m. | **Keynote Address**

Jennifer Homendy, *Chair, National Transportation Safety Board*

9:00 a.m. – 10:00 a.m. | Panel: Meeting the Demands of Tomorrow

Moderators: Tom Adcock, Director of Safety and Technology, NATCA • Shivanjli Sharma, ATM-X Project Manager, National Aeronautics and Space Administration (NASA)

Panelists: Representative (TBD), Joby Aviation • Scott Shtofman, Senior Manager Government Affairs, Association for Uncrewed Vehicle Systems International (AUUSI) • Jimmy Smith, National UAS Representative, NATCA • Prakash Subramanian, Director of Advanced Transportation Operations, The MITRE Corporation • Jeffery Vincent, Executive Director, UAS Integration Office, FAA

10:00 a.m. – 10:45 a.m. | Break

11:00 a.m. – 11:45 a.m. | Panel: Staffing the Full Picture

Moderators: Elizabeth Baker, Director of Government Affairs, Air Line Pilots Association (ALPA) • Dean Iacopelli, Chief of Staff, NATCA

Panelists: Jason Ambrosi, President, ALPA • Rich Santa, President, NATCA

11:45 a.m. – 1:45 p.m. | Awards Luncheon

1:45 p.m. – 2:45 p.m. | Training – Changing Perspectives

- Part 1 – *Changing the Mindset About Things That Feel and Appear Negative, But Are Not*, Amy D. Grubb, Ph.D., Founder, Organizational Insights, and FBI Psychologist
- Part 2 – | Panel: *How Air Traffic Can Continue to Lead, Learn, and Become Better Prepared Through Training*

Moderators: Jamaal Haltom, National Training Representation, NATCA • Tracey Johnson, (Acting) Vice President of Safety and Technical Training, FAA

Panelists: Dr. Immanuel Barshi, Senior Principal Investigator, NASA • Brad Simms, Safety Committee Member, Southwest Airlines Pilots Association (SWAPA) • Trey Turner, Technical Pilot, Southwest Airlines

2:45 p.m. – 3:45 p.m. | Break

3:45 p.m. – 4:30 p.m. | Panel: Surface Safety...Everyone Plays a Role

Lead in: John Murdock, Chair, National Safety Committee, NATCA

Moderator: Richard McSpadden, Senior Vice President, Air Safety Institute, Aircraft Owners and Pilots Association (AOPA)

Panelists: Alex Gersten, Director of Airports and Ground Infrastructure, National Business Aviation Association (NBAA) • Eric Johnson, Performance Based Navigation Co-lead, NATCA • Bridget Singratanakul, National Runway Safety Representative, NATCA • Doug Willey, Chair Air Traffic Services Group, ALPA

4:30 p.m. – 5:30 p.m. | Keynote Speaker

Amy D. Grubb, Ph.D., Founder, Organizational Insights, and FBI Psychologist

5:30–7:00 pm | Sponsors and Exhibitors Meet & Greet

WEDNESDAY, SEPTEMBER 20

7:30 a.m. – 11 a.m. | Registration Open

7:30 a.m. – 8:30 p.m. | Continental Breakfast, Exhibit Halls

General Session | Horseshoe Event Center

8:30 a.m. | Welcome

Dawn Johnson, NATCA

8:35 a.m. – 8:45 a.m. | Keynote Address

Polly Trottenberg, FAA Administrator (Acting)

8:45 a.m. – 9:30 a.m. | Panel: FAA Funding and Policy Priorities: What's in It for Us?

Moderators: Eugene Freedman, Special Counsel to the President, NATCA
Panel will discuss the status of FY 2024 appropriations and FAA Reauthorization: the risks to and opportunities for the NAS.

Panelists: Dan Hamilton, National Program Management Organization Representative, NATCA • Sharon Pinkerton, Senior Vice President for Legislative and Regulatory Policy, Airlines for America (A4A) • Brad Van Dam, Senior Vice President for Government Affairs, American Association of Airline Executives (AAAE)

9:30 a.m. – 10:00 a.m. | Panel: Our Medical: The Barriers We Face and How to Work Through Them

Moderators: Andrew LeBovidge, Executive Vice President, NATCA

Panelists: • Susan Northrup, M.D., M.P.H., Federal Air Surgeon, FAA • Quay Snyder, M.D., M.S.P.H., President/CEO, Aviation Medicine Advisory Service (AMAS)

10:00 a.m. – 11:00 a.m. | Break

11:00 a.m.–12:30 pm | Panel: Merging and Sequencing Pilots and Controllers

Moderators: Dawn Johnson, NATCA • Richard Kennington, NATCA

Panel 1 – Go Arouds/Missed Approaches

Panel will discuss the safety considerations, flight deck workload, and controller workload associated with go arounds and missed approaches.

Panelists: Dayron Fernandez, Local Safety Council, Miami ATCT (MIA), NATCA • Brian Townsend, National Safety Representative, Allied Pilots Association (APA)

Panel 2 – Go Down and Slow Down

The panel will discuss newer more efficient aircraft and the dynamics that prevent flight crews from complying with multiple clearances at the same time (e.g., slowing down while also descending).

Panelists: Jason Herman, LAX Base Safety Chairman, ALPA • Karena Marinas, Aviation Safety Inspector Chair, NATCA • Ron Renk, Chief Technical Pilot, United Airlines • Carlton Wickstom, NATCA

Panel 3 – Round Table

The third panel will be a round table with the military, general aviation, and business pilots along with controllers to discuss specific issues, how to communicate better, best practices, explicit vs implicit clearances, and take questions from Slido

Agenda

Panelists: Scott Fineron, *National Procedures Representative, NATCA*
• Paul Flynn, *Industry Affairs and Industry Analyst, NetJets Association of Shared Aircraft Pilots (NJASAP)* • Josh Haviland, *National Airspace Representative, NATCA* • Jason Herman, *LAX Base Safety Chairman, ALPA*
• Maj. Jack Ingber, *United States Air Force* • Richard McSpadden, *Senior Vice President, Air Safety Institute, Aircraft Owners and Pilots Association (AOPA)*

12:30 p.m. – 12:40 p.m. | Main Stage Closeout

John Murdock, *Chair, National Safety Committee, NATCA*

12:40 p.m. – 1:15 p.m. | Lunch, Horseshoe Exhibit Hall Level

Breakout Sessions

1:15 p.m. – 4:00 p.m. | Merging and Sequencing Pilots and Controllers: Continue the Climb

Exhibit Hall Level, Rooms Bronze 3/4

1:15 p.m. – 4:00 p.m. | Professional Standards (By Invitation Only)

Exhibit Hall Level, Event Center Office

1:15 p.m. – 2:15 p.m. | A Look into Investigations and Role of the Air Safety Investigator

Exhibit Hall Level, Palace Rooms 1/2/3

1:15 p.m. – 2:15 p.m. | Voluntary Safety Reporting Program (VSRP)

Exhibit Hall Level, Palace Rooms 4/5

2:30 p.m. – 4:00 p.m. | The Role of Air Safety Investigations

Exhibit Hall Level, Palace Rooms 1/2/3.

2:30 p.m. – 4:00 p.m. | Safety Advocacy Training

Exhibit Hall Level, Palace Rooms 4/5.

Evening Events | Horseshoe Event Center

19th Annual Archie League Medal of Safety Awards

6:00 p.m. – 7:00 p.m. | Reception

7:00 p.m. | Banquet

Seating begins at 6:45; dinner will be served at 7:15 p.m.

Speed, scale, and security for the world's most complex airspace

5 Pillars of Safety



Element	Definition	Description
Just Culture	An atmosphere of trust in which people are encouraged to report without fear of punishment but with an understanding that there is a difference between acceptable and unacceptable behavior.	All members of an organization must understand that it is unacceptable to punish all errors or mistakes. It is equally unacceptable to give blanket immunity to all actions that could, or did, result in an incident or accident. An organization must develop and educate all employees on the rules that determine acceptable versus unacceptable actions.
Reporting Culture	Operational personnel willingly share critical safety information without the threat of punishment.	A reporting culture is not simply having a reporting process; it is the attitude towards, and the motives for, reporting events and systemic issues. A reporting culture hinges on how the organization handles blame and punishment. If blame is the standard response to errors, reporting will not happen. But, if blame and punishment is reserved for truly egregious behaviors, reporting tends to happen voluntarily. In contrast, there is no place for a blanket no-blame approach in a reporting culture either. It relies on a just culture.
Informed Culture	The organization collects and analyses relevant data, and actively disseminates safety information.	Management supports a culture where people understand the hazards and risks inherent in their operation. Personnel are provided with the knowledge and skills required to work safely. Personnel are empowered to identify the threats to safety in the NAS and to provide suggestions to fix them. An informed culture relies on having a strong reporting culture.
Learning Culture	An organization must possess the willingness and the competence to draw the right conclusions from its safety information system and the will to implement necessary reforms.	Reports are only effective if an organization learns from them. Learning results from both reactive (usually an event) and proactive (usually systemic issues) safety assessments.
Flexible Culture	An organization allows those most qualified to lead, when appropriate, regardless of title or position. Personnel are empowered to make decisions in the absence of policy or procedure to address nonstandard events.	An organization is flexible in that it recognizes the need for employees to be able to make informed decisions in the absence of direction, depending on the urgency of the situation and the expertise of those involved.



John Thomas, Ph.D.

Executive Director of MIT's Engineering Systems Lab

NATCA is honored to welcome a leading expert in system-theoretic accident model and process (STAMP) based methods like system theoretic process analysis (STPA) to CFS 2023. That technical jargon means that accidents generally result from inadequate enforcement of system safety constraints in design, development, and operations and that through analysis one can understand the entire systemic causal factors involved in an accident.

Dr. Thomas holds a Ph.D. in Engineering Systems and is a member of the Aeronautics and Astronautics Department at the Massachusetts Institute of Technology (MIT). He is the Executive Director of MIT's Engineering Systems Lab (ESL). The ESL studies the underlying principles and methods for designing complex socio-technical systems that involve a mix of architecture, technologies, organizations, policy issues, and complex networked operations. Prior to joining MIT, Dr. Thomas spent several years in industry working for aerospace, automotive, and defense companies.

Dr. Thomas's professional work involves creating structured processes for analyzing cyber-physical systems, especially systems that may behave in unanticipated, unsafe, or otherwise undesirable ways through complex interactions with each other and their environment. By using control theory and systems theory, more efficient and effective design and analysis processes can be created to prevent flaws that lead to unexpected and undesirable behaviors when integrated with other systems.

More recently he has been applying these techniques to automated systems that are heavily dependent on human-computer interactions to achieve safety and security goals. These automated systems may not only be subject to human error. They may inadvertently induce human error through mode confusion, clumsy automation, and other mechanisms that can be difficult to anticipate.

Dr. Thomas's work involves developing systems approaches to engineering and analysis including Systems Theoretic Process Analysis (STPA), including the formal underlying structure that can be used to help ensure potentially hazardous or undesirable software behaviors are systematically identified and controlled. He has also developed algorithms to automatically generate formal executable and model-based requirements for software components as well as methods to detect flaws in an existing software specification. The same process can be applied to address security and functional goals of the system, thereby permitting the automated detection of conflicts between these and other goals during early development processes.

Richard McSpadden

Senior Vice President, Aircraft Owners and Pilots Association,
Air Safety Institute

NATCA is once again excited to welcome NATCA's great friend and former Air Force Thunderbirds commander Richard McSpadden, now the Aircraft Owners and Pilots Association (AOPA) Air Safety Institute (ASI) Senior Vice President, to CFS 2023. AOPA promotes flying through world-class media, products, services, and advocacy.

McSpadden was appointed executive director of the ASI in February 2017 and was promoted to senior vice president in July 2020. He currently leads a team of certified flight instructors and content creators who develop and distribute aviation safety material — free of charge — in order to advance general aviation safety industrywide. ASI distributes material through a dedicated YouTube channel, iTunes podcasts, Facebook, and a dynamic website. ASI material is accessed 12 million times annually.

A native of Panama City, Florida, McSpadden started flying as a teenager and has logged over 5,000 hours flying a variety of civilian and military aircraft. McSpadden is a commercial pilot, CFII, MEI with SES, MES ratings and a 525S (Citation Jet Single Pilot) type rating. He taught his son to fly, instructed his daughter to solo in their Piper Super Cub, previously owned a 1950 Navion that was in his family for almost 40 years, and currently owns a 1993 Piper Super Cub.

McSpadden holds a degree in economics from the University of Georgia, and a Master of Public Administration from Troy University. He is a graduate of the U.S. Air Force Air War College.

Prior to joining AOPA, McSpadden had a successful career in the information technology industry, leading large, geographically dispersed operations providing business-critical IT services. McSpadden also served in the Air Force for 20 years, including the prestigious role of commander and flight leader of the U.S. Air Force Thunderbirds flight demonstration team where he led over 100 flight demonstrations flying the lead aircraft.

Additionally, McSpadden currently serves as the industry chair for the General Aviation Joint Steering Committee.





Jennifer Homendy

Chair, National Transportation Safety Board

NATCA is pleased that National Transportation Safety Board (NTSB) Chair Jennifer Homendy will address CFS 2023. The NTSB is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation. As the agency's chief executive, she manages an annual budget of about \$129.3 million and more than 411 full-time employees across the country. She is the fourth woman to serve as Chair since the agency was created in 1967.

Chair Homendy has used her national platform to advocate for the implementation of NTSB safety recommendations. She often speaks about the need for a holistic approach to managing safety, preventing crashes and injuries, and saving lives— an approach that has proved successful in commercial passenger aviation.

It has been a priority for Chair Homendy to ensure the NTSB's readiness to carry out its mission amid rapid technological advancement in all modes of transportation, including advanced driver assist systems, automated vehicles, commercial space transportation, uncrewed aircraft systems, advanced air mobility, supersonic aircraft, high-speed ground transportation, and clean energy sources to fuel vehicles.

In aviation, Chair Homendy is focused on addressing NTSB's long history of concerns with the safety of revenue passenger-carrying aviation operations, including parachute jump flights as well as sightseeing flights conducted in hot air balloons, helicopters, and other aircraft — that are not subject to the same maintenance, airworthiness, and operational requirements as other commercial flight operations.

Chair Homendy is focused on ensuring that commercial aviation in the United States continues to be held to the highest standards of safety. While a Member of the Board, Chair Homendy reviewed and debated recommendations that would ensure that the National Air Space continues to be the safest in the world and that lessons are learned from every fatality, injury, or near miss that the NTSB has investigated.

Earlier in her career, Chair Homendy worked at the Transportation Trades Department (TTD) of the AFL-CIO, where she spearheaded transportation labor's efforts to reauthorize the Intermodal Surface Transportation Efficiency Act (ISTEA) and the USDOT hazardous materials safety program.

Amy D. Grubb, Ph.D.

Founder, Organizational Insights, and FBI Psychologist

Also addressing CFS 2023 is Amy Grubb, an internationally acclaimed speaker on leadership, change, working with others, engagement, performance, organizational culture, and storytelling. Dr. Grub has worked directly for three C-level functions (Chief Human Resources Officer, Chief Financial Officer, Chief Information Officer) for the past 14 years, currently serving as the Digital Transformation Advisor to the Chief Information Officer at the Federal Bureau of Investigation (FBI). She is the founder of Organizational Insights, LLC.

Dr. Grubb has been responsible for the implementation of numerous change initiatives within the FBI for more than 20 years, from serving as a leader on the post-9/11 enterprise-wide cultural transformation of the FBI to implementing innovative HR systems and processes at all levels, with a current focus on the digital transformation of the FBI through its people and culture.

She advises C-suite and executive leaders on risk from the human capital perspective regarding organizational performance, policy decisions, and change initiatives, and serves as executive coach to several leaders and executives. She worked extensively with special agents, pilots, undercover employees, hostage rescue team members, forensic accountants, intelligence analysts, mid-level leaders, and executives up through the director. She has presented numerous papers at professional conferences, has served on advisory boards both internal and external to the FBI, and liaisons extensively within the government and the private sector communities.

A two-time FBI Director's Award for Excellence recipient, Dr. Grubb built the organizational development function at the FBI as well as led the development and implementation of an integrated Leadership Development Program for all employees at all stages of the employment lifecycle, for which she was awarded the HRM Impact Award by the Society for Industrial and Organizational Psychology (SIOP) and the Society for Human Resource Management (SHRM). She is also the Chair of the Bombardier Safety Standdown Advisory Council and is on the American Psychological Association Change Management Advisory Board. A Fellow of SIOP, she earned her Ph.D. and M.A. in Industrial/Organizational Psychology from the University of Houston, earning her bachelor's degree from Villanova University.





Polly Trottenberg

FAA Administrator (Acting)

Polly Trottenberg is acting Administrator at the Federal Aviation Administration (FAA) and Deputy Secretary at the US Department of Transportation (USDOT). Polly was designated as acting Administrator in June 2023.

She has an extensive 30+ year public sector career in all levels of government. Trottenberg served from 2014 to 2020 as New York City's Transportation Commissioner, where she was responsible for the safe, efficient, and equitable operations of New York City's transportation network.

Trottenberg served in the Obama Administration as the Assistant Secretary and Under Secretary for Policy at the U.S. Department of Transportation. During her previous five years at the Department, she developed and implemented transportation policies to address the needs of state and local transportation agencies on every type of project from roads and bridges, to transit and rail, to airports, ports, and pipelines.

Trottenberg's additional policy and managerial experience includes her time in the U.S. Senate, where she served Senator Daniel Patrick Moynihan, Majority Leader Charles Schumer, and Senator Barbara Boxer. Earlier in her career, Trottenberg served at that Port Authority of New York and New Jersey. Trottenberg graduated from Barnard College and received her Master's in Public Policy from Harvard's Kennedy School of Government.

Spotlight: NATCA Awards

NATCA plans to present several awards at CFS, including at the annual awards luncheon on Tuesday, September 19, in the main conference room. Aviation safety professionals from around the National Airspace System (NAS) will be honored with these awards:

James L. Oberstar Sentinel of Safety Award

NATCA created the Sentinel of Safety Award as a way to honor aviation leaders outside NATCA who have displayed outstanding achievement in the advancement of aviation safety. On Oct. 2, 2014, at its Biennial Convention in Minneapolis, NATCA proudly renamed the award to honor Congressman Jim Oberstar, who was a tireless advocate for aviation, air traffic control, and NATCA during his tenure in Congress and as the Chairman of the House Transportation and Infrastructure Committee. Congressman Oberstar died on May 3, 2014, just a few weeks before NATCA in Washington, the event he supported and attended for many years, and at which in 2005 he was awarded the first Sentinel of Safety Award.

Steve Hansen Safety Advocate Award

Named for the former Chairman of the NATCA National Safety Committee, the Steve Hansen Safety Advocate Award is presented to a NATCA member who has made extraordinary achievements and has worked tirelessly on NATCA's behalf to be a leader in furthering the cause of aviation safety. While each winner has contributed their skills, dedication, and work ethic in different ways, with varying areas of expertise, there is one thing that ties them all together: they are all passionate about safety and aviation. This award was first presented in 2011.

NATCA Excellence in Training Award

NATCA created the Excellence in Training Award in 2019 and it was first presented at Communicating For Safety 2019, where the "Every Day is a Training Day" initiative was featured. The award highlights NATCA's daily commitment to training and learning.

NATCA National Professionalism Award

The goal of NATCA's Professional Standards program is to maintain and promote professionalism across all of NATCA's bargaining units. NATCA members achieve that through a commitment to safety and through upholding the public's trust. They work to inspire, to motivate, to provide personal examples of our professionalism to others, and to maintain the highest standard of excellence. They know their actions represent all of their fellow professionals, and we work to bring honor and respect to all that they do. The NATCA National Professional Standards Committee (PSC) created the "NATCA National Professionalism Award" as a means to recognize the actions of those who continually strive to achieve these goals.





"It Can Wait"

Wearable smart devices such as smart watches, fitness trackers, and smart glasses are amazing pieces of technology. They keep us closely connected with the latest information, in constant communication with others, and provide unique tools to augment our environment and monitor our health. These gadgets are a way of life for the modern population but can become a very dangerous distraction if used in the wrong places - including the operational environment.

Here at CFS this week, we continue our awareness campaign to draw attention to the ongoing importance of eliminating all electronic distractions from the operation, with an emphasis on wearable smart devices.

"Disconnecting" for duty is what's expected of us and what we expect of each other. It can wait.

Turn Off Tune In is a collaborative, proactive initiative launched at CFS in 2013 by NATCA and the FAA to eliminate distractions in the operational workplace. The goal of the collaborative workgroup tasked with the Turn Off Tune In communications campaign is to educate and increase awareness of the safety impact of distractions, focusing on electronic distractions.

Lanyards, created in the style of current messaging, are available at the Professional Standards/Respect/Turn Off Tune In exhibit booth. Communicate your commitment to a distraction free operational environment by stopping by and selecting your favorite version to take back and wear at your facility. Be a reminder to your peers that "It Can Wait".





PROFESSIONAL STANDARDS

Does your organization make the connection between safety and professionalism?

After more than a decade and thousands of meaningful peer-to-peer discussions, it's become clear that every Professional Standards discussion about professionalism has a connection to safety.

Please stop by the Professional Standards exhibit and speak with one of the team's work group members to learn more about this connection and to see how your organization's professionalism efforts are working to improve safety.



What's in a Name?

Information about the FAA's Air Traffic Organization (ATO)

The Air Traffic Organization (ATO) in the Federal Aviation Administration is FAA's largest line of business and is responsible for operating the National Airspace System (NAS). The ATO oversees eight Service Units, which are:

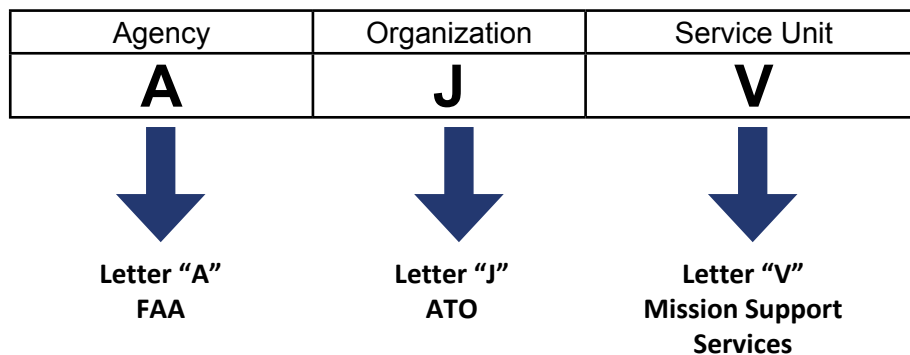
- Air Traffic Services (AJT)
- Flight Program Operations (AJF)
- Management Services (AJG)
- Mission Support Services (AJV)
- Program Management Organization (AJM)
- Safety and Technical Training (AJI)
- System Operations Services (AJR)
- Technical Operations (AJW)

Some examples of organizations outside the ATO include:

- Aviation Safety (AVS)
- Airports (ARP)
- Commercial Space Transportation (AST)
- NextGen Air Transportation System (ANG)

Managing the world's safest and most complex aviation system is obviously no small feat and requires a lot of organizations, each tasked with a specific function to support the FAA's overall mission. To ensure communication and tasks are sent to the appropriate office of primary responsibility, the FAA established a routing symbol system some fifty years ago, which is still used today.

Example: Mission Support Services (AJV)



The ATO **Air Traffic Services (AJT)** provides safe, secure, and efficient management for the National Airspace System and international airspace assigned to U.S. control. Air Traffic Services controls more than 5 million square miles of airspace in the U.S. and more than 24 million square miles over oceans. AJT is responsible for Airport Traffic Control Towers (Federal and Contract), Terminal Radar Approach Control facilities, Air Route Traffic Control Centers, and Combined Control Facilities to guide aircraft through their various phases of flight.



The ATO **Safety & Technical Training (AJI)** influences and addresses risk in the NAS through aligning data-driven changes in the operation, modernizing training to educate and prepare the ATO's technical workforce by focusing on timely delivery, operational priorities, and competencies, monitoring mitigations and changes in the NAS, and informs stakeholders of our successful strategies to meet ATO's safety goals. Safety functions include event investigation, data analysis, corrective actions, training for over 14,000 air traffic controllers and over 6,000 airway transportation system specialists, policy development, performance measurement, and promotion of a positive safety culture.



The FAA decided to create the ATO **Program Management Office (AJM)** after taking a comprehensive look at whether the agency was positioned strategically for success as it implements some of the most ambitious transformations ever in the national airspace with NextGen. The internal study, known as Foundation for Success, examined how internal structures and processes could be improved to support NextGen. NextGen determined that better collaboration across lines of business would help advance initiatives more seamlessly and effectively. Congress endorsed the creation of the PMO on Sept. 19, 2011. The PMO assembles in one organization the majority of programs that specialize in program management. This allows operational groups to focus on the key daily mission of safely separating air traffic and maintaining our airspace system. And it allows the program organization to focus on managing better outcomes by developing improvements to our airspace and making sure these solutions are on time, cost effective and within scope.



The **Next Generation Air Transportation System (NextGen/ANG)** is the FAA's multibillion-dollar program to modernize the U.S. National Airspace System (NAS). Recognized as one of the most ambitious infrastructure projects in U.S. history, NextGen aims to increase the safety, efficiency, capacity, predictability, and resiliency of American aviation. Within its scope are airport infrastructure improvements, new air traffic technologies and procedures, and safety and security enhancements. Through research and collaboration, NextGen is defining new standards and further advancing the FAA's global leadership in aviation.



Established in 2010, **Mission Support Services (AJV)** fulfills the FAA mission by providing innovative and strategic direction for infrastructure and airspace design, developing policy, promoting international and domestic airspace safety, and ensuring superior execution of policies and procedures. Mission Support Services activities include designing airspace, procedures, and mapping to facilitate ATO projects across the country; processing staffing and budgets; and collecting and evaluating safety data. Additionally, AJV ensures airspace policies, strategies, procedures, and mapping fit current airspace needs, while leading international airspace coordination. Mission Support also oversees the operations of the Western, Central, and Eastern Service Centers in the Seattle, Dallas, and Atlanta areas. The service centers provide the link between headquarters technical programs and their integration in the operations environment.

NATCA's Conduit for Safety and Technology



The **NATCA Safety & Technology Leadership Council (NSTLC)** is NATCA's focal point for all safety issues, procedural changes, technology development and implementation, airspace modernization, and all associated training needs. Comprised of eleven members, the NSTLC includes the following NATCA employees and representatives: National Safety Committee (NSC) Chair, Director of Safety & Technology, Deputy Director of Safety & Technology, National Training Representative, National Airspace Representative, National Program Management Office (PMO) Representative, National NextGen Representative, National Procedures Representative, National Strategy Representative, and two National Executive Board Members.

NATCA Charitable Foundation



NCF Officers

Corrie Conrad,
President

Elizabeth (Betsy) Beaumont,
Vice President

Kristen Laubach,
Secretary

Krissy Lewandowski,
Treasurer

Board of Directors

Kimberly Beckett
Jason Boyde

Andrew LeBovidge
Steve Lewandowski
Andrea Orr

For more information
on NCF and how to
get involved, contact:

natcacharitable@natca.net
202.220.9831

The NATCA Charitable Foundation (NCF) is a non-profit 501(c)(3) organization that touches the lives of many people across the United States. The foundation is a 100% volunteer organization consisting of NATCA members, family, friends, NATCA staff, and aviation partners. Often, these volunteers have full time jobs outside of NCF, making their dedication to the success of the charity even more inspiring. A hallmark of NCF is its low operating expense.

NCF was established when the realization was made that many NATCA chapters were volunteering individually, in their local communities. NCF knew that combining its energies on a national level would raise more money and allow for a bigger impact while bringing recognition to the air traffic profession.

NCF is NATCA's Charity of Choice. NCF is a charity of charities, giving back to multiple causes across the nation. NCF strives to be at the doorstep of every cause and every NATCA member's need.

NCF seeks out organizations that serve a similar purpose and focus on helping the underserved. While NCF does give to large, well known charities, it likes to focus and seek out charities that are underfunded and are often missed through typical charity drives, allowing a bigger impact on smaller underfunded charities.

Over the foundation's 29-year history, NCF has donated over \$3 million to charities across the United States.

Our members choose the charities that are supported by NCF. To find out how to support a charity that is important to you, visit the NCF booth or email natcacharitable@natca.net

✓ Donations

At our booth at Communicating for Safety (CFS), you can complete an 1187 payroll deduction form to establish an automatic donation to NCF each pay period. If you begin payroll deduction – or increase your donation – you will receive an NCF T-shirt. All donations are tax deductible.

✓ Silent Auction

NCF is again hosting a silent auction this week in the exhibition hall that includes a tremendous array of mostly donated items, including food and wine, crafts, travel, NATCA-related items, and much more.

The silent auction opens at 10 a.m. on Monday and runs through Wednesday morning. Silent auction bidding will be online through the GiveSmart platform. To register to bid and join the fun, text NCF CFS to 76278 and follow the prompts or go to NCF CFS.givesmart.com to register.

✓ Charity poker Tournament

NCF is again hosting its wildly popular poker tournament here at CFS. Registration opens at 5:30 p.m. on Monday evening at the Horseshoe Poker Room, with the tournament starting at 6:30 p.m. sharp. There is a \$100 buy-in.

✓ Grand Prize Raffle

Buy some raffle tickets from an NCF volunteer and take your chances on winning an awesome Grand Prize Raffle!

Earn Your Dues Back and More!



Dear NATCA Members,

Our team has worked hard to secure benefits like long-term disability insurance, retirement and financial planning, cruise discounts and more—including exclusive discounts on Ford Vehicles and GEICO Insurance. By taking advantage of just a few of these benefits, you can earn back your yearly dues with savings!

We have also partnered with Union Plus to offer even more benefits, including discounts on theme parks and car rentals, scholarships, legal services, and more. Stay tuned for updates on all current benefits and any newly gained benefits we have available to you at www.natcabenefits.org. If you have any questions or any ideas about your NATCA benefits, please do not hesitate to reach out to benefits@natca.net.

Thank you to our corporate partners and friends for making these benefits possible. We are dedicated to serving you and making sure you get the most out of your membership.

In Solidarity,
National Benefits Committee

www.natcabenefits.org



Sponsors & Exhibitors

GRAND BENEFACTORS:

American Airlines - Booth 515

At American Airlines, their purpose is to care for people on life's journey. Together with their American Eagle regional partners, they offer thousands of flights daily to more than 350 destinations in more than 60 countries. American has hubs in Charlotte, Chicago, Dallas-Fort Worth, Los Angeles, Miami, New York, Philadelphia, Phoenix and Washington, D.C. For more information, visit <https://www.aa.com>.

Collins Aerospace an RTX Company - Booth 601

RTX is the world's largest aerospace and defense company. With more than 180,000 global employees, they push the limits of technology and science to redefine how they connect and protect our world. Through industry-leading businesses - Collins Aerospace, Pratt & Whitney, and Raytheon - they are advancing aviation, engineering integrated defense systems for operational success, and developing next-generation technology solutions and manufacturing to help global customers address their most critical challenges. Collins Aerospace is a business of RTX, their global team of 73,000 employees' dreams, designs and delivers smarter, more connected solutions for passenger safety and comfort, mission success, space exploration, and operational efficiency and sustainability. They make the most powerful concepts in aerospace a reality. For more information, visit <http://rtx.com/> or CollinsAerospace.com.

CSSI, Inc.

With over 33 years of proven experience, CSSI is an industry leader providing innovative, efficient and low-risk transportation solutions in complex, dynamic safety critical systems to solve their clients' toughest challenges. Headquartered in Washington, DC, CSSI supports Government and commercial customers across the United States and around the world. At the heart of CSSI, is a mission driven culture that defines who they are and how they work. With deep roots in Air Traffic Management, their state-of-the-art solutions enhance safety, increase capacity and provide efficiencies. They also advance human performance through their custom software solutions, modeling and simulation, research and development, and operational research and analysis capabilities. Their collaborative work with the FAA, DoD, and key stakeholders improves safety and increases the efficiency of the National Airspace System (NAS) while also facilitating the modernization of both NAS and DoD systems and capabilities. CSSI is helping to transform the world's most complex transportation systems, and they are ready to help you tackle your most pressing challenges. CSSI is a proud, long-standing supporter of Communicating for Safety, and they appreciate NATCA for leading this informative and invaluable conference. For more information, visit www.cssiinc.com.

L3Harris Technologies - Booth 602

L3Harris Technologies is a Trusted Disruptor for the global aerospace and defense industry. With customers' mission-critical needs always in mind, their 46,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains. L3Harris plays a critical role in air traffic management through enterprise managed services and surveillance technologies for aircraft monitoring, providing solutions to make flight more safe, secure and efficient. They provide safety critical, highly available and highly secure managed infrastructure services and solutions to deliver mission-critical

communications, surveillance, and enterprise information management capabilities for aviation, defense, and security customers. For more information, visit <https://www.l3harris.com>.

PLATINUM SPONSORS:

Air Traffic Control Association - Booth 408

Established in Washington, D.C., in 1956 by a group of air traffic controllers, the Air Traffic Control Association's mission is to serve air traffic management users, providers, and industry partners by promoting cooperation, development, and safety in all aspects of airspace integration, and to further the efforts, needs, and success of their members. They work with the FAA, DOD, NASA, the drone community, the commercial space sector, and all industry that supports airspace integration worldwide. For more information, visit <https://www.atca.org>.

Delta Air Lines - Booth 508

Through the warmth and service of the Delta Air Lines people and the power of innovation, Delta never stops looking for ways to make every trip feel tailored to every customer. More than 90,000 Delta people lead the way in delivering a world-class customer experience on over 4,000 daily flights to more than 280 destinations on six continents, connecting people to places and to each other. Headquartered in Atlanta, Delta operates significant hubs and key markets in Amsterdam, Atlanta, Boston, Detroit, London-Heathrow, Los Angeles, Mexico City, Minneapolis-St. Paul, New York-JFK and LaGuardia, Paris-Charles de Gaulle, Salt Lake City, Seattle, Seoul-Incheon and Tokyo. For more information, visit <https://www.delta.com>.

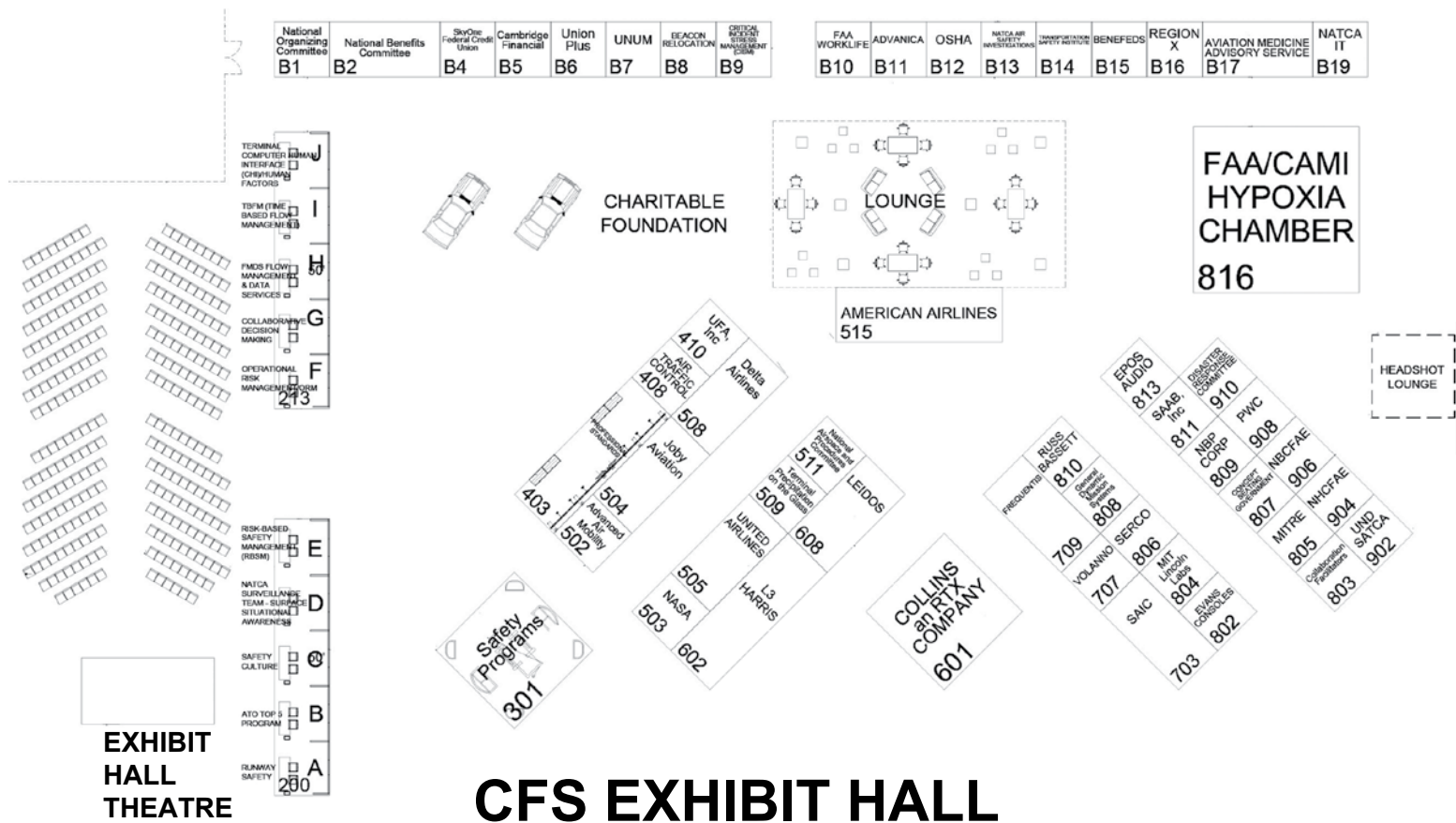
Leidos - Booth 608

Leidos is a Fortune 500® technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, civil, and health markets. The company's 46,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$14.4 billion for the fiscal year ended December 30, 2022. For more information, visit www.leidos.com.

SAIC - Booth 703

SAIC® is a premier Fortune 500® technology integrator driving our nation's technology transformation. Their robust portfolio of offerings across the defense, space, civilian and intelligence markets includes secure high-end solutions in engineering, digital, artificial intelligence and mission solutions. Using their expertise and understanding of existing and emerging technologies, they integrate the best components from their portfolio and their partner ecosystem to deliver innovative, effective and efficient solutions that are critical to achieving their customers' missions. They are approximately 24,000 strong; driven by mission, united by purpose, and inspired by opportunities. SAIC is an Equal Opportunity Employer, fostering a culture of diversity, equity and inclusion, which is core to their values and important to attract and retain exceptional talent. Headquartered in Reston, Virginia, SAIC has annual revenues of approximately \$6.9 billion. For more information, visit saic.com.

Sponsors & Exhibitors



GOLD SPONSORS:

Frequentis USA – Booth 709

Frequentis USA is dedicated to creating a safer world. With over 75 years of experience, they understand controllers in safety critical situations encounter new challenges daily. Therefore, their mission is to develop and market highly reliable, optimized, custom-tailored, and user centric communication and information systems for mission critical solutions. As an industry leader in voice communication & data information systems, creating a safer world through integration, digitalization, and automation while maintaining world class safety standards keeps us innovating to enable controllers work with efficiency and confidence. They proudly serve many U.S. government agencies including the FAA, DoD, and NASA. Safety as their number one priority pushes us to constantly learn about the ever-changing needs in safety critical environments to deliver innovative solutions with safety is the focal point.

SkyOne FCU – Booth B4

SkyOne is a 501C1 not for profit financial institution, a credit union for the people not for profit, and a strong partner of the FAA and NATCA.

Southwest Airlines

Southwest Airlines is the world's largest low-cost carrier. It is headquartered in Dallas, Texas, and has scheduled service to 121 destinations in the United States and 10 additional countries.

UFA, Inc. - Booth 410

UFA, Inc. (UFA) supplies Air Traffic and Airport simulation and voice recognition technologies to the world's leading ANSPs, airports, and militaries, including the FAA, DFS Deutsche Flugsicherung/Germany, DSN/ France, skyguide/Switzerland, CAAS/Singapore, CAD Hong Kong, NAV CANADA, the US Air Force, Royal Canadian Air Force, German Air Force, and many other ANSPs and militaries. Their team at UFA consists of controllers, instructors, pilots, engineers, and technicians with extensive experience in air traffic control (ATC), aviation, and engineering. Their award-winning products and services are designed to support ATC training, apron management, airside driver training, and ATM systems development and research. Their products integrate high-fidelity simulations, part-task training, and virtual learning tools to support simulations on all aspects of ATC and airport operations. UFA is a pioneer in providing on demand training software over the cloud - including their highest fidelity ATTower® and ATCoach® tower and radar simulators and their ATVoice® Voice Recognition and Response system. Their systems can be flexibly licensed and deployed to provide their customers unparalleled return on their technology investments.

United Airlines – Booth 505

United Airlines, Inc. is a major American airline headquartered at the Willis Tower in Chicago, Illinois. United operates a large domestic and international route network spanning cities large and small across the United States and all six inhabited continents. They are proud of their product and their people.

Sponsors & Exhibitors

SILVER SPONSORS:

Beacon Relocation – Booth B8

Beacon Relocation offers real estate buying and selling services.

Cavan Solutions

Cavan Solutions is a woman-owned aviation consulting company that combines systems engineering, operational expertise, and government business acumen to realize benefits of the evolving National Airspace System (NAS).

BRONZE SPONSORS:

Aireon

Aireon has deployed a global, space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft, harnessing next-generation aviation surveillance technologies to improve efficiency, enhance safety and reduce emissions. In partnership with leading ANSPs, Aireon is providing a global, real-time air traffic surveillance system, available to all aviation stakeholders.

Air Line Pilots Association, International

The Air Line Pilots Association, International (ALPA) is the largest airline pilot union in the world and represents more than 74,000 pilots at 42 U.S. and Canadian airlines. Founded in 1931, the Association is chartered by the AFL-CIO and the Canadian Labour Congress. Known internationally as US-ALPA, it is a member of the International Federation of Air Line Pilot Associations.

Concept Seating Government – Booth 807

Concept Seating provides ergonomic and durable seating for 24/7 environments. Dispatchers must remain alert, focused, and productive. Concept Seating chairs and stools help minimize fatigue and discomfort for people of all body types. Backed by a comprehensive 6-Year Warranty, Concept Seating is simply the best choice for 24/7 workplaces.

EPOS Audio – Booth 813

Over the last 35 years, EPOS (formerly Sennheiser) has helped to ensure clear communications in global air traffic control centers. Their product line of ATC headsets has been expanded and optimized to meet the needs of air traffic control operators worldwide, featuring exceptional acoustic and speech intelligibility performance via EPOS voice technology, supreme wearing comfort, and a full line of analog and digital PTT's for digital ATC simulators and voice control communications systems. EPOS maintains an extensive and innovative modular ATC headset/PTT portfolio which results in greater flexibility to meet all current and future ATC customer product demands, and delivery requirements. Their new generation of ATC headsets are lighter than ever and offer a comfortable fit even after long hours of operation. Their patented ActiveGard™ circuit protects the air traffic controllers' ears from harmful acoustic bursts while still allowing for complete communications. EPOS headsets are built on EPOS BrainAdapt™ technology and are designed to support the brain's natural way of processing sound. This means less fatigue and more focus for both the operator and the pilots with whom they are communicating. This adds a level of safety in critical ATC communications.

EPOS ATC/C3 headsets provide the best audio experience in the market, so Air Traffic Controllers can concentrate on their task, with safety, security, comfort and without hearing fatigue.

Evans Consoles Corporation – Booth 802

EVANS designs and equips mission-critical operations. EVANS has been the global leader in providing innovative solutions in the design and manufacturing of custom control room solutions for mission-critical and other technology-intensive environments. They serve a diverse client base, including Air Traffic Control, public safety, process control, utilities, technology, as well as numerous government agencies.

General Dynamics Mission Systems – Booth 808

General Dynamics Mission Systems provides mission critical solutions to those that lead, serve and protect the world we live in. They are a technology integrator and original equipment manufacturer with deep domain expertise in ground, sea, air, space and cyberspace. Their technology and products are often built into platforms and integrated systems to make them smarter.

Joby Aviation – Booth 504

Joby Aviation is a California-based company building quiet, all-electric aircraft to connect people like never before. With up to 150 miles of range and the ability to take off and land vertically, the Joby aircraft will change the way we move while reducing the acoustic and climate footprint of flight. Their long-term vision is to build a global passenger service that helps the world connect with the people and places that matter most, while helping to protect our precious planet. As well as strategic partnerships with Toyota, Delta, Uber, and many more, they have a team of more than 1400 engineers and experts working to bring aerial ridesharing to our skies. For more information, visit <https://www.jobyaviation.com/>.

NBP CORP – Booth 809

Since 1966, NBP has established an undisputed reputation for innovation, quality, performance and integrity in the engineering, design and manufacturing of Landing Visual Aids including Approach Lighting Systems and Monitoring and Control Systems for the aviation, utility and defense industries. NBP also offers training and field support services. NBP's business philosophy, conceived and built upon a continuing dedication to integrity, quality and performance, has been, and remains, the catalyst around which the company has been able to achieve its goals. NBP's on-going commitment to planned growth while remaining competitive has firmly established the company as a leading, diversified, advanced technology company throughout the world.

RTCA

RTCA is a not-for-profit aviation organization which Inspires the creation and implementation of integrated performance standards that meet the changing global aviation environment and ensure the safety, security, and overall health of the aviation ecosystem. RTCA offers membership and training courses on their core documents as well as other topics including SMS and Human Factors.

SAAB, Inc. – Booth 811

Saab supplies air traffic management solutions in the United States to the Federal Aviation Administration, as well as commercial airline and airport customers. Their portfolio includes surface movement radars, multilateration, and vehicle trackers, as well as command and control systems at airports.

SERCO – Booth 806

Serco is the largest non-government provider of air navigation services in the world, delivering air traffic control for small regional airports as well as the largest commercial air hub on the globe. They provide a range of critical air navigation services and build domestic air traffic control capacity to support air traffic growth in partnership with their aviation customers. They are the only commercial provider to encompass the three disciplines of tower operations, approach control, and en-route centers. Serco enables their customers to develop a world-class team of air traffic controllers and continually update their skills to keep up with the latest technologies and international standards. They consistently exceed critical metrics including capacity growth, runway throughput, safety, program delivery, and people development. Their capability is extensive and includes air traffic control, air traffic engineering, safety, training and simulation, strategic planning and program management, meteorological services, IT services and aeronautical information management, and communication, navigation, surveillance/air traffic

Russ Bassett – Booth 810

Air Traffic Control Consoles for Tower/TRACON/ARTCC

Volanno – Booth 707

Volanno is an award-winning, women-owned small business (WOSB) advancing major transportation initiatives through data analytics, software engineering, and system implementation. They partner with government and mid to large-sized companies to convert data into intelligent transportation solutions that drive unprecedented outcomes and lasting results.

EXHIBITORS:

Advanced Air Mobility – Booth 502

Advanica Corp. – Booth B11

**FAA Civil Aerospace Medical Institute (CAMI)
Hypoxia Chamber – Booth 816**

FAA WorkLife Solutions Program – Booth B10

MIT Lincoln Laboratory – Booth 804

**National Black Coalition of Federal Aviation Employees
(NBCFAE) – Booth 906**

**National Hispanic Coalition of Federal Aviation Employees
(NHCFAE) – Booth 904**

NASA – Booth 503

Professional Women Controllers (PWC) – Booth 908

Safety Programs – Booth 301

The MITRE Corporation – Booth 805

Transportation Safety Institute – Booth 14

**University of North Dakota Student Air Traffic
Controllers Association – Booth 902**

COLLABORATION BOOTHS:

ATO Top 5 Program – Booth 200B

Collaborative Decision Making – Booth 213G

FAA/NATCA Collaboration Program – Booth 803

FDMS Flow Management & Data Services – Booth 213H

National Airspace & Procedures Committee (NPAC) – Booth 511

Operational Risk Management (ORM) – Booth 213F

Professional Standards – Booth 402

Runway Safety – Booth 200A

Risk-based Safety Management (RBSM) – Booth 200E

Safety Culture – Booth 200C

**NATCA Surveillance Team –
Surface Situational Awareness – Booth 200D**

**Terminal Computer Human Interface (CHI)/
Human Factors – Booth 213J**

Terminal Precipitation on the Glass (TPoG) – Booth 509

TBFM (Time Based Flow Management) – Booth 213I

BENEFIT PARTNERS:

Aviation Medicine Advisory Service – Booth B17

BENEFEDS – Booth B15

Cambridge Financial Partners – Booth B5

Union Plus – Booth B6

Unum/NATCA Board of Trustees – Booth B7

NATCA COMMITTEE BOOTHS:

Air Safety Investigations – Booth B13

Critical Incident Stress Management (CISM) – Booth B9

Disaster Response Committee – Booth 910

Information Technology Committee – Booth B19

NATCA Benefits Committee – Booth B2

National Organizing Committee – Booth B1

OSHA Committee – Booth B12

Region X – Booth B16

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Leveraging predictive analytics and digital transformation
to power the FAA's mission.



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SAIC



Beacon Relocation NATCA'S NATIONAL REAL ESTATE BENEFIT

**Use a Beacon Real Estate Agent
and Receive 20% of the Buyer
Agent's Commission Toward
YOUR Closing Costs*!**

*Buyer credit not available in all states. Please
contact us for details.

Example

Purchase Price: \$400,000

Real Estate Commission: 3%

20% (\$2400) of their commission
credited towards YOUR closing costs

PLUS:

- ✓ Our preferred lender offers
NATCA member discounts
- ✓ Discounts with PODS



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Aireon is harnessing next-generation aviation
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COMMAND

Always in control

A line of premium headsets designed for the challenges of
Air Traffic Control and C3 Communications, when consistent
operational excellence is a must.

Come See Us at Booth 813

eposaudio.com/command

EPOS



Equipping Controllers with Communication & Information Solutions for a Safer World

Controllers in safety critical environments encounter new challenges daily. We strive to understand their ever-changing needs and develop cutting edge products and solutions that meet these needs while keeping safety as our top priority. Today, more than 350 control towers in the USA are equipped with Frequentis technology, and we support over 6,500 operating positions across the nation. By purposefully understanding controller needs, our products and solutions ensure all controllers can efficiently execute their roles in control centers with confidence and faith in our systems that are prepared to support controllers in keeping the skies safe.

Scan the QR Code to experience our products and solutions in a Virtual Control Tower.



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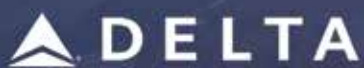
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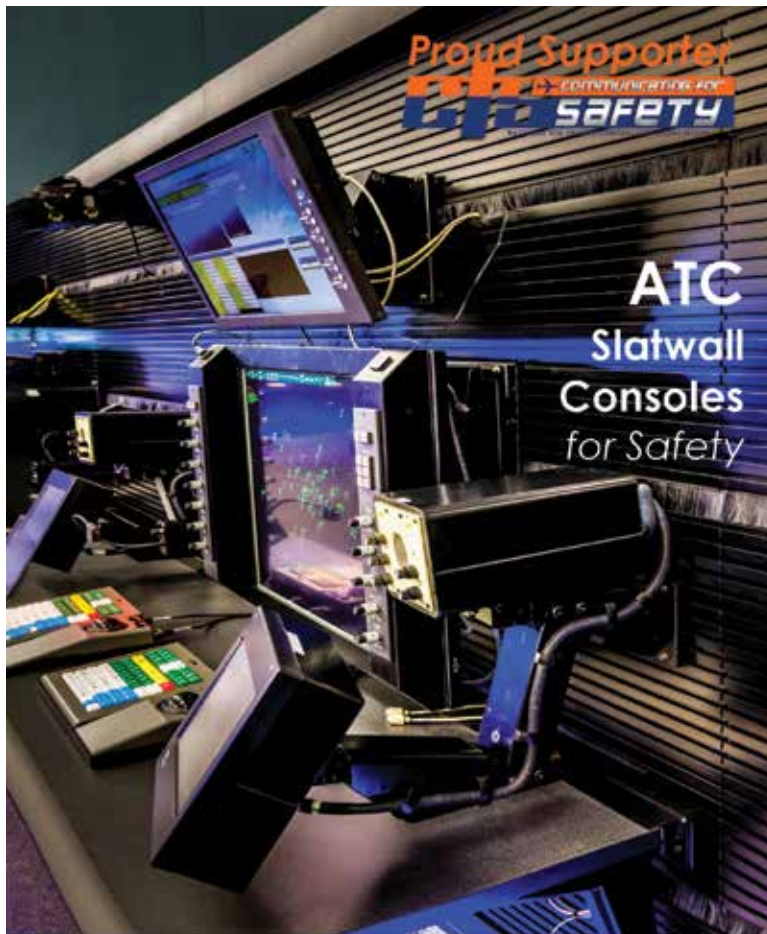
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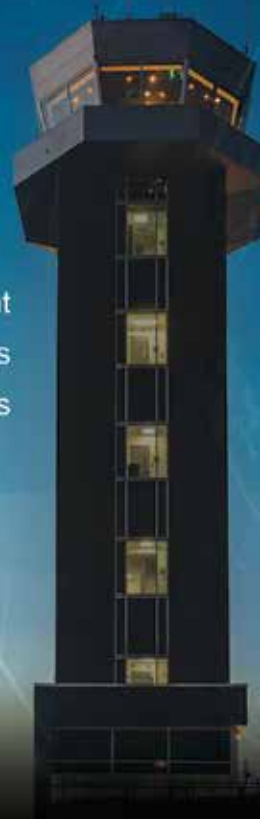
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