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MAKE BUSINESS AVIATION SAFETY YOUR TOP PRIORITY

2018 Top Safety Focus Areas

www.nbaa.org/safety-focus

NBAA's Top Safety Focus Areas for 2018 highlight a set of priorities in support of a greater commitment to business aviation safety standards. Identified through the NBAA Safety Committee's data-driven risk assessment process, these focus areas are a tool for safety-enhancing initiatives within all business aircraft operations. For full descriptions and resources, visit www.nbaa.org/safety-focus.

TOP SAFETY ISSUES

Identified through industry data analysis, these issues should be primary targets of risk-mitigation efforts for all operators.

Loss of Control Inflight (LOC-I)

Loss of control inflight (LOC-I) accidents result in more fatalities in business and commercial operations than any other category of accident. Awareness of aerodynamic factors, early recognition of upset precursors and proven recovery strategies, reinforced through training, are pivotal factors to preventing LOC-I events.

Runway Excursions

Runway excursions are the most common business aviation accident. By recognizing well-identified risk factors, overcoming resistance to going around when necessary and adhering to stabilized approach and landing criteria, as well as using accurate, timely runway condition data, these are highly preventable accidents.

Single-Pilot Operation Safety

Accident rates are consistently higher for single-pilot operated aircraft. As the number of complex single-pilot aircraft increases, so does the necessity to arm single-pilot business aviators with risk management tools and training all specifically tailored to safely manage single-pilot operations.

Procedural Compliance

Challenges to procedural compliance remains a significant contributing factor in aircraft accidents and incidents. Aviation professionals in all vocational categories must become aware of the extent that non-compliance has proliferated in business aviation, identify the causal factors for non-compliance and develop workable solutions that eliminate these events.

Ground Handling and Taxi Incidents

While collisions involving aircraft, vehicles, buildings and fixtures on the airport surface result in a low number of fatalities, the costs associated with aircraft repairs, including time out of service and diminution of value, are significant. Anyone operating a vehicle or moving an aircraft on the airport surface has a responsibility to exercise increased vigilance to mitigate this hazard.

Distraction Management

Distractions result in a loss of situational awareness and continue to be the most pervasive 'human' threat to safety. Active distraction management of

everything from task interruptions to personal electronic devices, is needed in the assessment of risk, as well as management of threats and errors associated with this hazard.

Scenario- and Risk-Based Training and Checking

Increased fidelity and quality of training is the mitigation strategy that will make the most positive impact in aviation safety. Key to this approach is the need to optimize the balance between learning/checking, and ensuring that learning and checking remains refreshed with the latest identified safety issues

Positive Safety Culture Promotion

Most safety data points to the fundamental importance of a positive safety culture, or the lack thereof. Organizations with a positive safety culture are characterized by open communication, promotion of education and/or continuous improvement, safety promotion within the Safety Management System, and a proactive approach to safety reporting.

Inflight Aircraft Collision Risk

Data has shown over the past year an increase in Traffic Collision Avoidance System Traffic Advisories (TAs) and Resolution Advisories (RAs) as overall demand for airspace continues to rise. Professionalism and efficient distribution of workload is needed to minimize the risk of airspace-related errors.

Workforce Competency and Staffing

Personnel gaps compounds pressures on the remaining workforce, adds to management stress, requires resources to hire and train new employees, and can increase fitness for duty likelihood if not properly managed. The business aviation workforce must be timely resourced and prepared with the knowledge, skills and experience to safely lead in business aviation's dynamic environment.

Safety Data Sharing and Utilization

The collection, analysis, and sharing of narrative safety reports and recorded operations data is the basis on which the aviation industry is transitioning from reactive post-accident investigative safety management to proactive safety management. It is imperative that the business aviation community contribute in these communities to further see return on the industry's safety investments.

FOUNDATIONS FOR SAFETY

Operation-wide commitment to the adoption of these core principles is the basis of a proactive and effective safety system.

Risk Management
Professionalism
Safety Leadership

Technical Excellence
Fitness for Duty



NBAA

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ABOUT NBAA

Founded in 1947, the National Business Aviation Association (NBAA) is the leading organization for companies that rely on general aviation aircraft to help make their businesses more efficient, productive and successful. Join today by visiting [**www.nbaa.org/join**](http://www.nbaa.org/join).

ABOUT THE SAFETY COMMITTEE

NBAA and its Safety Committee published the 2018 Top Safety Focus Areas to provide business aircraft operators with the awareness, knowledge and tools for achieving even higher standards of aviation safety. The safety focus areas were developed with input from government agencies, industry associations, regional groups and other NBAA standing committees. To share feedback, contact NBAA at ops@nbaa.org, or review additional safety resources at [**www.nbaa.org/safety**](http://www.nbaa.org/safety).