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NBAA

MAKE BUSINESS AVIATION SAFETY YOUR TOP PRIORITY

2017 Top Safety Focus Areas

www.nbaa.org/safety-focus

NBAA's Top Safety Focus Areas for 2017 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 flight departments and among owner-flown 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

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 appropriate training, are pivotal factors to preventing LOC-I events. **www.nbaa.org/loc-i**

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 and timely runway condition data, these are highly preventable accidents. **www.nbaa.org/runway-excursions**

Single-Pilot Accident Rate

Accident rates are consistently higher for single-pilot operated aircraft. Enfranchising single-pilot operators in the broader business aviation safety dialogue and developing resources and methods to lower the risk of task saturation are key to addressing the underlying issues contributing to this accident rate. **www.nbaa.org/single-pilot**

Procedural Non-Compliance

Zero tolerance must exist for intentional non-compliance in aviation. Procedural violations and intentional omissions are reckless behaviors that plague safe operations. It is necessary for the industry to work together to constructively improve standard operating procedures needing refinement. **www.nbaa.org/pnc**

Ground Handling 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. Integrating ground handling in risk assessment procedures and strengthening line crew/flight crew communication can help prevent many of these incidents.

Distractions
Distractions result in a loss of situational awareness and continue to be the most pervasive 'human' threat to safety. Proactive management of PEDs, pressure and other stressors are needed to mitigate this hazard. Countering complacency and automation confusion are also necessary to ensure that managing safety-of-flight technology does not itself become a distraction.

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.

Airspace Complexities
The effects of heavy traffic, UAS integration, weather and new technologies are increasing the complexity of airspace navigation. Professionalism and efficient distribution of workload is needed to minimize the risk of airspace-related errors and ensure waypoint restrictions are being met.

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
Organizations must have the tools and systems in place to identify and eliminate or mitigate risks that threaten operational safety, success and viability.
www.nbaa.org/safety-survey

Professionalism
Professionalism is the pursuit of excellence through discipline, ethical behavior and continuous improvement, and is a cornerstone of safety management.
www.nbaa.org/professionalism

Safety Leadership
The entire organization must work together to fully embrace a proactive safety mindset evidenced by not only participation and belief in the culture, but the willingness to share safety data with fellow aviation professionals.

Technical Excellence
Appropriate knowledge, skill and proficiency to execute an intended function or role is critically important given the wide range of safety-sensitive functions in aviation.

Fitness for Duty
A clear mind and healthy body are essential to safe operations. Health factors that must be addressed include fatigue and proper use of medication.

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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**.

ABOUT THE SAFETY COMMITTEE

NBAA and its Safety Committee published the 2017 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**.