
Helping pilots to be safer



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Presentation Catalog

Avoiding Sneaky Dangers

Most pilots consider themselves to be safe and competent. Most pilots comply with FAA requirements for maintaining recent experience. Yet accidents still happen to pilots of all experience levels flying all kinds of airplanes. Even conscientious and experienced pilots sometimes fall victim to some of the "sneaky dangers" of flying.

This live webinar will take a look at several accident causal factors that can easily "sneak up" on pilots.

Several recent accidents and incidents will be discussed and analyzed to learn more about avoiding these dangers.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Call the Ball – Making Better and Safer Approaches and Landings

Navy Carrier Pilots are challenged by some of the most difficult approaches and landings known to aviation. Wouldn't it be nice if each time we landed there were a Landing Signal Officer (LSO) guiding us down, verbally coaching our approach and giving instructions on whether we were too low or slightly left of course? Or perhaps a "wave off" to let us know when we should perform a go-around? The truth is that you do not need an LSO to make safe and successful approaches and landings. By applying the concepts, procedures and best practices used by military pilots and the airlines, you can make great landings too! Take this free online course to learn how to make better and safer approaches and landings. The course is available for desktop, and laptop computers as well as most mobile

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Combating Mental Inertia

It is widely recognized that humans tend to continue with a task once it is started. Pilots sometimes continue with a flight even when evidence indicates that the plan should be changed or abandoned. We call this "Mental Inertia." A phrase frequently found in the probable cause finding of an NTSB accident report includes, "...the pilot's decision to continue..."

This course examines the forces in the unconscious mind that cause this behavior and provides some practical mitigation strategies to improve safety.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Cool Stuff they Might Not Have Taught You In Flight School

This live webinar will examine some interesting and useful concepts of aerodynamics and aircraft performance that might not have been taught or might have been forgotten. We will discuss the practical aspects of the power curve, how propellers really work, the myths of lift and weight, the three turning tendencies, how to load the airplane for optimum performance, and other interesting concepts.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Developing Abnormal Procedures Checklists

This interactive, live webinar is designed to help general aviation pilots adapt an airline type approach to dealing with non-critical, in-flight situations. The failure of an alternator, engine instrument, or vacuum pump should not develop into an emergency, yet that often happens. This is why airlines have established "abnormal procedures" for dealing with equipment failures. Most new general aviation airplanes now have an abnormal procedures checklist included in their manuals. But most older GA airplanes do not have these important checklists. In this seminar, pilots will have an opportunity, under the guidance of a former airline instructor, to learn how to develop their own set of "abnormals" for the type of airplane and kind of flying typically done.

This live webinar is fast-paced, lively, and entertaining. But most importantly, it provides information that can increase safety for any pilot.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Help! My Brain is Trying to Kill Me

This online course examines how our unconscious mind often plays an important, and not always helpful, role in our decision making. Several psychological concepts such as heuristics and cognitive biases are discussed in a way designed to provide a practical understanding of how they affect our aeronautical decision making. Some practical mitigation strategies are also presented.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 1 Credit.

Human Factors Discussion

This "Hangar Flying" event, in a guided discussion format, will consist of analyzing several accidents to determine root causes. Each accident will be presented through photos and descriptions gathered from news sources as well as from official reports. After presentation of the NTSB probable cause finding, attendees will be asked to speculate on any deeper, root causes of the accident. Analysis of human factors issues will be included. Emphasis will be placed on determining how the pilot might have applied risk management tools to prevent the accident. There will also be a discussion of the aeronautical decision making principles applicable to the airport surface while taxiing.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 1 Credit.

Improving the Margin

This live webinar examines the Task Load vs. Capabilities curve to identify some practical ways in which pilots can improve their safety margin on every flight. A multitude of factors influence both the task load and the capabilities of the pilot. These factors are variable and are constantly in flux. As pilots, we have control over many of these critical elements. This interactive webinar will take a detailed look at how we can identify and positively influence the shape of both curves, thereby improving our safety margin.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 2 Credit.

Keeping the Dirty Side Down

Inflight loss of control has emerged as the number one causal factor for fatal general aviation accidents.

On the premise that prevention is better than cure, this live webinar will focus on practical ways to help prevent inflight loss of control rather than recovery techniques. Inflight loss of control has emerged as the number one causal factor in fatal general aviation accidents.

Do you remember what really causes a stall to occur? What is a simple way to prevent a spin? How can a runway overshoot when turning from base to final lead to a stall/spin accident? How are accidental spins different from training spins? Why is proper aircraft loading so important? What are some conditions that can lead to a departure stall accident? What part do human factors play in our aeronautical decisions that may lead to loss of control?

This live webinar will provide a review of some basic and some not-so-basic concepts related to loss of control and maneuvering flight. The practical application of these concepts will be discussed and illustrated with the aid of many graphics.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Terrible Triad: Fatigue, Stress, & Medications

As pilots we must be as close to "the top of our game" as possible. But as humans, we suffer from fatigue and stress, and sometimes we need medications. We can be safer in everything we do if we understand and actively manage the individual members of the "Terrible Triad" of fatigue, stress, and medications. This live webinar will introduce the hazards and provide some information on how to mitigate some of the risks. Several recent accidents will be discussed and analyzed to learn from the mistakes of others.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

Why Did They Do That? Loss-of Control Accidents

Inflight loss of control continues to be the number one causal factor for fatal general aviation accidents.

On the premise that prevention is better than cure, this live, interactive webinar will focus on practical ways to help prevent inflight loss of control rather than recovery techniques. In addition to the technical reasons for aircraft loss of control, this webinar will examine the human factors that are frequently underlying causes in LOC accidents.

This live webinar will examine several recent loss-of-control accidents for the purpose of learning what went wrong so that the mistakes of others can be avoided.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 3 Credit.

I think I'll Have an Accident Today

I think I'll have an accident today. No pilot begins a flight with that intent but many flights end with a crumpled airframe, injuries, or even loss of life. Most pilots are not careless or reckless and most take their flying seriously and make an effort to act responsibly. Statistics show that at least three out of four aircraft accidents are related to human factors.

Often, skill in handling the aircraft and a sound understanding of aeronautical principles is not enough. Many skilled pilots have accidents because they made a bad decision or made no decision at all.

This webinar is designed to provide pilots with some additional tools to aid in the decision making process. It is also intended to raise awareness of the need to identify and mitigate risk.

The webinar lasts approximately one hour and is worth 1 Basic Wings Knowledge 1 Credit.

For information on scheduling these or other programs, please contact Gene Benson at gene@genebenson.com.