

# The Villages Aviation Club

## Safety Brief

### January 2016





The image features a stylized logo for "Tales of the Unexpected" set against a red background. The logo consists of a dark, rounded shape containing the words "Tales of the Unexpected" in a decorative, yellow-to-orange gradient font. The word "Tales" is at the top, "of the" is in the middle, and "Unexpected" is at the bottom. A semi-transparent horizontal bar with a dark red background is overlaid across the middle of the logo, containing the text "Managing the Unexpected" in a bright yellow, sans-serif font.

Managing the Unexpected

# Managing the Unexpected

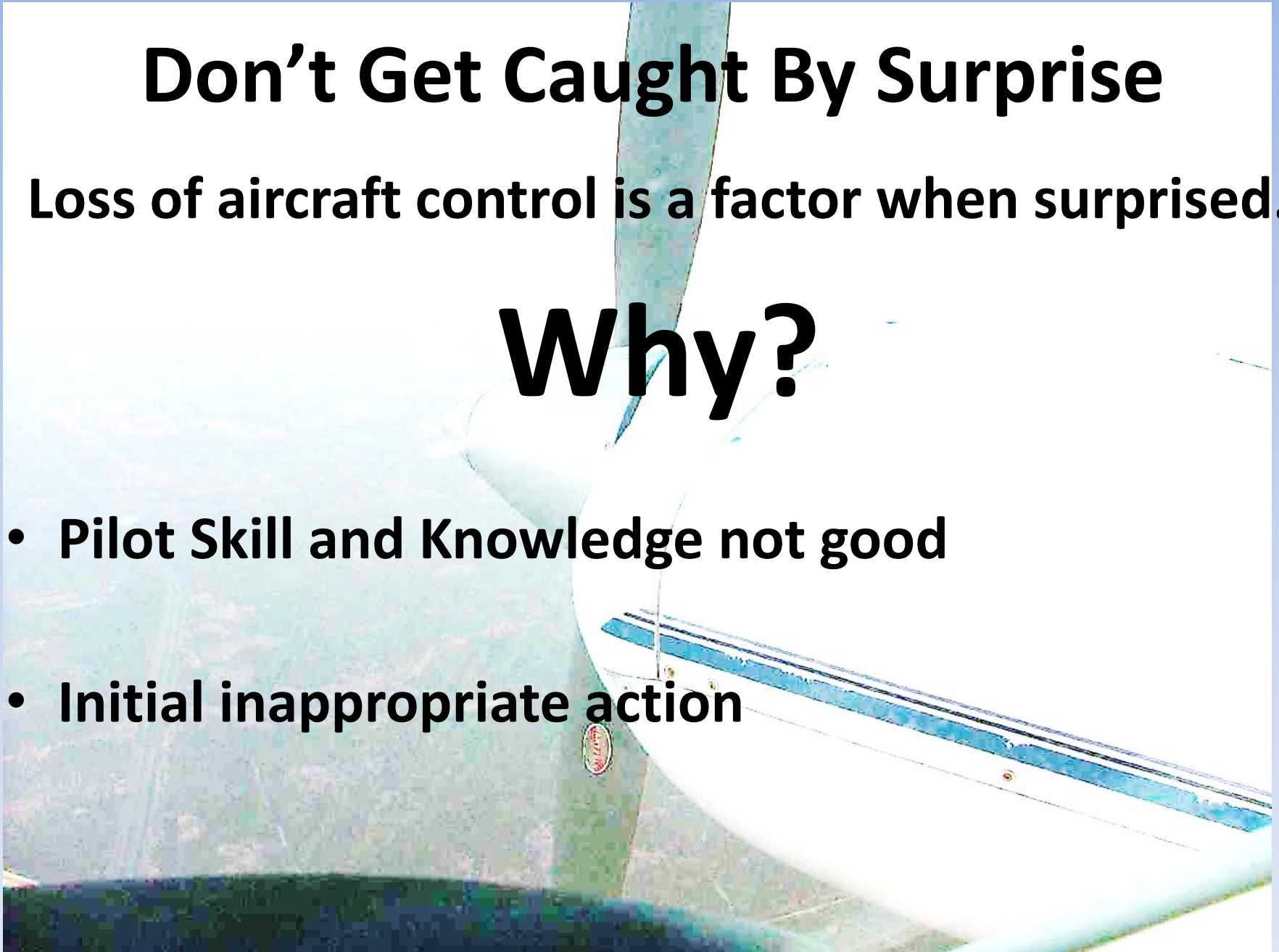
- Inappropriate responses to unexpected events.
- Startled response (huh!?)
- Knowing that **Training** and **preparation** can reduce startle response time

# **Don't Get Caught By Surprise**

**Loss of aircraft control is a factor when surprised.**

## **Why?**

- **Pilot Skill and Knowledge not good**
- **Initial inappropriate action**



# UNEXPECTED EVENTS

- Partial/full loss of power on takeoff
- Landing gear extension/retraction failure
- Bird strike
- Cabin door opening
- Control problem/failure

# Unexpected..? When?

- Unexpected events often occur while close to the ground.
- Chances of a safe outcome are greatly improved if you have a plan.

# **“CHAIR FLYING”**

- **Try practicing in your head.**
- **What will (should) you do..**
- **Practice.**

**Mental drills will help you develop a pre-planned course of action**





# “Chair Flying”

Pick a problem you may encounter ie.:

- ENGINE FIRE DURING START ON GROUND
- ENGINE FIRE IN FLIGHT
- EMERGENCY LANDING WITHOUT ENGINE POWER
- ELECTRICAL FIRE IN FLIGHT

# “Simulate to Stimulate”

- Flight simulation is a great tool for planning and preparing yourself to handle unexpected events.
- Have an instructor or fellow pilot assist you
- Practice Practice Practice



# Reap the benefits...



- **Gain the ability to experience both sudden and subtle failures**
- **Become familiar with their early indications of failures**
- **Practice overcoming denial (“this can’t be happening to me”) and rationalization (“it’s probably just a gauge problem”)**

# The Right Stuff for a Good Pilot

- solid training and regular practice
- strive for proficiency and perfection.
- understanding your aircraft's systems
- crew resource management (CRM).
- situational awareness.
- Know who can help
- Plan for an unexpected event.

- A 'new' pilot is surprised when something goes wrong.
- An 'old' pilot is surprised when nothing goes wrong.



# Resources For This Presentation

## **FAA Safety Briefing**

- “Managing the Unexpected” July 2015
- [https://www.faa.gov/news/safety\\_briefing/2015/media/SE\\_Topic\\_15-07.pdf](https://www.faa.gov/news/safety_briefing/2015/media/SE_Topic_15-07.pdf)

## **FAA Safety Briefing**

- “When the Best Made Plans Go Awry,”
- [www.faa.gov/news/safety\\_briefing/2010/media/NovDec2010.pdf](http://www.faa.gov/news/safety_briefing/2010/media/NovDec2010.pdf)

## **FAA Safety Briefing**

- “Between a Rock and Hard Spot—Handling a Partial -Power Takeoff,”
- [www.faa.gov/news/safety\\_briefing/2010/media/NovDec2010.pdf](http://www.faa.gov/news/safety_briefing/2010/media/NovDec2010.pdf)












## **FAA Safety Briefing**

- “When the Lights Go Out —What You Should Know About Aircraft Electrical Systems,”  
[www.faa.gov/news/safety\\_briefing/2010/media/NovDec2010.pdf](http://www.faa.gov/news/safety_briefing/2010/media/NovDec2010.pdf)

## **FAA Risk Management Handbook (FAA –H-8082-3), Chapter 6, Single Pilot Resource Management**

- [www.faa.gov/regulations\\_policies/handbooks\\_manuals/aviation/risk\\_management\\_handbook/](http://www.faa.gov/regulations_policies/handbooks_manuals/aviation/risk_management_handbook/)

# SAFETY SEMINARS

Date	Title and Description 	Location
1/12/2016 19:00 EST SO1566025	<p><a href="#">Proper Radio Communication and Phraseology</a>  <b>Radio Communication and Phraseology</b>            Communication is of paramount importance in aviation. If a communication is misunderstood, incorrect, or...</p> <p> 1 Credit for Basic Knowledge Topic 3</p>	<p><a href="#">Apopka, FL</a>              13 seats remaining.</p>
1/14/2016 19:00 EDT SO1564035	<p><a href="#">Aeronautical Decision Making for General Aviation</a>  <b>ADM: emphasis for both VFR and IFR pilots - 7-9pm.</b>            ADM is a strong foundation to safe flying.</p> <p> 1 Credit for Basic Knowledge Topic 2</p>	<p><a href="#">Orlando, FL</a>              59 seats remaining.</p>
1/25/2016 19:00 EST SO1566607	<p><a href="#">NEXRAD radar coverage in my cockpit - now what?</a>  <b>I've added NEXRAD radar coverage in my cockpit -...</b>            DATE CHANGE: Although this EAA-IMC Club meeting / WINGS Seminar is normally held on the third Monday of each...</p> <p><b>Basic WINGS</b>   1 Credit for Basic Knowledge Topic 3</p> <p><b>Advanced WINGS</b>   1 Credit for Advanced Knowledge Topic 2</p>	<p><a href="#">Sanford, FL</a>              44 seats remaining.</p>
2/11/2016 19:00 EST SO1564683	<p><a href="#">Soaring: The wonderful, quiet world of motorless flight</a>  <b>Soaring activities that improve your basic skills.</b>            Soaring requirements and typical activities of glider pilots. Ways soaring can improve your flying skills and...</p> <p> 1 Credit for Basic Knowledge Topic 3</p>	<p><a href="#">Orlando, FL</a>              83 seats remaining.</p>
2/11/2016 19:00 EST NR0365929	<p><a href="#">Emergency! Getting it Right when Things Go Wrong</a>  <b>Emergency! Getting it Right when Things Go Wrong</b>            We spend time training for them, but real-world emergencies are rare enough that it's easy to get complacent....</p> <p> 1 Credit for Basic Knowledge Topic 3</p>	<p>Ocala, FL</p> <p>See Seminar details for registration info.</p>