



# EAA Loss of Control Initiatives

NTSB LOC Forum - October 14, 2015



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- 2. EAA Founder's Innovation Prize**
- 3. Additional Pilot Program**
- 4. EAA Flight Advisor Program**
- 5. Sport Aviation Magazine Monthly  
Flight Test Column – Charlie Precourt**

**Organizational LOC Focus**

# EAA Member Safety Pledge

## Strength through Culture

**I hereby promise and commit to do the following:**

- I will install and test my fuel system and document its performance in accordance with best amateur-built practices and procedures.
- I will evaluate Angle of Attack/Lift Information systems, and associated visual, audible, and tactile alerting systems as they relate to enhancing the performance and action of the pilot. I will give serious consideration to installing these on my aircraft, and learn to operate them properly.

**I pledge to take these actions in order to protect myself, passengers, and the good name of the Association.**

1.

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MEMBERSHIP	AVIATION INTERESTS	ADVOCACY	CHAPTERS	EVENTS	EDUCATION & RESOURCES	FLIGHT EXPERIENCES	NEWS	ABOUT/SUPPORT
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**NEW TO AVIATION**

PILOT RESOURCES

HOMEBUILDERS

ULTRALIGHTS

LIGHT-SPORT AIRCRAFT

WARBIRDS

VINTAGE AIRCRAFT

AEROBATICS

### Aviation Interests

Passion, participation, and enthusiasm make EAA the most vibrant aviation organization in the world. No matter what aviation area you relate to, you'll find it here.

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**Third Class Medical Update**

EAA continues to push hard to bring Pilot's Bill of Rights 2 (PBOR2) to a successful outcome in Congress.

[Read More](#)



**AirVenture 2015 Videos**

Relive EAA AirVenture Oshkosh 2015 through our video highlights of the week.

[Read More](#)



**One-of-a-Kind Flight Experience**

From historic bombers and airliners to personal general aviation aircraft, EAA has many opportunities for you to feel the freedom of flight.

[Read More](#)



**Learn the Secrets of Aircraft Building**

These weekend workshops will launch you on the most rewarding adventure of your life - building or restoring your own airplane!

[Read More](#)

## Homebuilders

- Getting Started & Building
- Training
- Programs
- Frequently Asked Questions
- Kits & Plans
- Experimenter
- [EAA Amateur-Built Aircraft Safety Pledge](#)
- One Week Wonder
- Blogs
- Video
- Discussion Forum
- At AirVenture

## HOMEBUILDERS

The world of homebuilt aircraft — officially known in the United States as Experimental Amateur-Built Aircraft — has existed as long as powered flight. Even the Wright brothers were homebuilders, since they didn't rely on a factory to construct their airplanes. They, like the homebuilders of today, used their own abilities and craftsmanship to construct safe and efficient flying machines.

Today, tens of thousands of homebuilt aircraft fly throughout the world. A significant number of homebuilt aircraft have flown around the globe and one, the Voyager in 1986, was the first airplane ever to fly around the world non-stop on a single tank of fuel.

Experimental amateur-built aircraft, often called "homebuilts" because they are typically built in people's garages and basements, are the fastest growing segment of new aircraft in the United States. Amateurbuilt aircraft are built by individuals and certificated by the Federal Aviation Administration (FAA) as "experimental amateur-built" (E-AB).

EAA was founded in 1953 by a group of airplane enthusiasts mostly comprised of airplane builders, although anyone with an aviation interest has always been welcome in the organization. EAA has been the organization of record as the homebuilt movement moved from simple, single-place tube-and-fabric airplanes 60 years ago to today's wide spectrum of aircraft that feature plans- and kit-built models. No matter the airplane project, one thing remains constant – homebuilt aircraft provide a path where nearly anyone can pursue their personal dream of flight.

**See the latest on the One Week Wonder project**

EAA's extensive resources, available through the EAA members' area or the association's staff, can help any aircraft builder or restorer to create a safe, efficient aircraft that provides recreation and education.



3.

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## EAA AMATEUR-BUILT AIRCRAFT SAFETY PLEDGE

In the 1960s Paul Poberezny introduced the EAA Shoulder Harness Pledge, asking all EAA members to add such restraints to their aircraft in recognition of their life-saving value. Now, EAA is asking its members to take responsibility for homebuilt safety with a new pledge for the 21<sup>st</sup> Century. The new EAA Amateur-Built Aircraft Safety Pledge involves a few simple commitments that you can make to ensure the safety of yourself, your passengers, and the reputation of the homebuilt community for safety and ingenuity.



### The EAA Amateur-Built Aircraft Safety Pledge

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2. I will evaluate Angle of Attack/Lift Information systems, and associated visual, audible, and tactile alerting systems as they relate to enhancing the performance and action of the pilot. I will give serious consideration to installing these on my aircraft, and learn to operate them properly.

I pledge to take these actions in order to protect myself, passengers, and the good name of the Association.

Full Name:

EAA Member Number:

Email Address:

Submit

# Founder's Innovation Prize

## Low Cost Safety Enhancement Competition

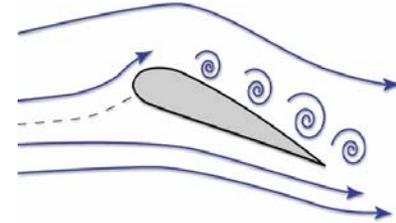
The annual prize will have a specific safety focus each year, with the upcoming year's goal emphasizing the design and development of a low-cost solution that recognizes imminent loss of control (LOC) in aircraft and provides an innovative way of increasing situational awareness or automation to the pilot.

### Current Status & Rationale

- 44% of E-AB fatal accidents involve Loss-of-Control
- EAA legacy is to inspire innovation through freedoms of E-AB
- Education verses new regulation is charter concept of EAA

### Outcomes

- Decrease in fatal LOC E-AB accidents by 25% in 5 years and then 50% in 10 years (approx 12 less accidents annually)
- Entrants will focus on cost, ease of installation/implementation, simplicity, wide applicability, and effectiveness in reducing loss-of-control occurrences.
- Judges: Burt Rutan (Chief Judge), Dick VanGrunsvan, Charlie Precourt, Dave Morss, and Rod Machado
- 25K First prize, 10k Second Prize, and 5K Third Prize



# Additional Pilot Program

## Putting the Most Qualified Individual in the Cockpit

- EAA/FAA developed policy – AC 90-116
- Allows for a qualified second pilot to participate in the critical phases of flight testing
- Builder/GA pilot participates and learns as part of the process

The first known issuance of operating limitations that included provisions of the FAA's new Additional Pilot Program took place on October 5, 2014, for a Van's RV-7 built by a Plymouth, MA builder. Designated Airworthiness Representative (DAR) Jon Ross inspected John Sannizzaro's airplane and included the APP in the operating limitations.



# EAA Flight Advisors

## Members Helping Members – Phase I Flight

- EAA member program designed to assist with the flight test process and prepare the pilot to execute a safe and successful flight test program
- Over 500 designations nation-wide
- EAA Video and EAA Chapter centric support structure



# Sport Aviation Flight Test Column

A new monthly column by Charlie Precourt \*, “Flight Test”, is targeted to inspire a deeper understanding of critical phase of flight problems and the best solutions coming from the flight test world. Each article is written to attract all GA pilots to consider challenges they can face for each and every flight they take.

*\*Charlie Precourt is a former NASA Shuttle Commander, test pilot, and currently builds/fly's both E-AB and GA aircraft. Charlie is the Chairman of the EAA Safety Committee and a member of the EAA Board of Directors.*





EAA Helping it's Members to: Straighten  
Up and Fly Right!

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