

# EAA Chapter 1314

October Monthly Meeting

October 21 2020

# Tonight's Meeting

- ▶ Get Connected
- ▶ Dave Wallace's Engine Test Stand
- ▶ New FAA LSA regulation is being evaluated - details
- ▶ FAA Medical Deferment Update
- ▶ Chapter Video Magazine
- ▶ November Meetings

# Dave Wallace's Engine Test Stand

▶ Welcome Dave!



# Dave Wallace's Engine Test Stand

- It's Big  
It's Massive  
It's Heavy  
Was built for MP-14 Radial!
- Easily modified





# Dave Wallace's Engine Test Stand

- Instrument panel unbolts. Fit your instruments.



# New FAA LSA regulation is being evaluated

- ▶ Sponsors: EAA, LAMA (Light Aircraft Manufacturers Association and USUA (US Ultralight Association)
- ▶ FAA in “Ex Parte Communications ”
  - ▶ Ex parte communication is any contact between the FAA and a party outside the government related to a specific rulemaking proceeding, before that particular proceeding is finalized. A rulemaking proceeding does not close until all received comments have been addressed, and a final rule is published. “Ex parte” is a Latin term that is interpreted to mean “one sided,” and indicates that not all parties to an issue were present when it was discussed. Because some interested persons, including the general public, are excluded from an ex parte communication, such a contact may give, or appear to give, an unfair advantage to one party.
- ▶ Other countries will be impacted because they follow FAA regs.
- ▶ MOSAIC : Modernization of Special Airworthiness Certification
  - ▶ A Work in Process: FAA does not have all the answers yet

# New FAA LSA regulation is being evaluated

## ▶ Highlights

- ▶ Higher Weight (Formula Based Weight Limit)
- ▶ Four Seats (Light Personal Aircraft Regulation - NEW! Replaces some regulations. )
- ▶ End the “Seaplane Rule” : Repositionable Gear”
- ▶ Speed Bump (Possibly as fast as 140-145 knots)
- ▶ Electric and Hybrid (No turbine - Remove “reciprocating only” language.)
- ▶ Special LSA Gyroplanes (Anyone care? )
- ▶ Single Lever Engine Control
  - ▶ In flight adjustable propeller, FADEC and computerized controls.
- ▶ Aerial Work
  - ▶ Pipeline Patrol, Forestry survey, search for lost people...
  - ▶ Flight Instruction and Towing are already allowed in SLSA
- ▶ No change for Part 103 Ultralight Vehicles
  - ▶ FAA says any change risks losing current privileges enacted in 1982

# New FAA LSA regulation is being evaluated

## ▶ FAA Statements

- ▶ “LSA has been a successful development.”
- ▶ “The former regulation was unnecessarily restrictive.”
- ▶ “Opportunities to safely expand this sector of aviation exist.”
- ▶ “FAA wants the revised regulation to allow the industry to do more.”
  - ▶ Part 23 aircraft (Cessna, Cirrus, Piper, Beech, Diamond, etc.) will in the future use industry consensus standards to certify those airplanes.



# New FAA LSA regulation is being evaluated

- ▶ **More Weight**
  - ▶ FAA has a new term: “Power Index”
    - ▶ Formula based on Wing loading, Power, Airframe weight, Stall speed and more.
- ▶ **More Speed**
  - ▶ “Speed costs money. How fast do you want to go?”
- ▶ **Four Seats**
  - ▶ Manufacturers want this. Many LSA 2-seaters to be modified to 4 seats.
- ▶ **Electric and Hybrid Power**
  - ▶ Duration and Range
  - ▶ Opening the door - ASTM
  - ▶ German C-42 Cyclone →→→
- ▶ **LSA Gyrocopters**



# New FAA LSA regulation is being evaluated

## ▶ Single Lever Control

- ▶ No mixture or prop controls. Computer control allowed.

## ▶ FAA sees safety

- ▶ Example Sea Ray has had single lever control for years.



# New FAA LSA regulation is being evaluated

## ▶ Aerial Work

- ▶ Towing, Spraying, Pipeline, Photography
- ▶ “Public Use” Police can buy any aircraft - no certification required.
- ▶ No passenger or cargo hauling!!!

## ▶ Mechanics

- ▶ What does you're A&P know about a hybrid-electric system?
  - ▶ FAA does not know what to do about this.
  - ▶ Rainbow Aviation Services: LSRM Course

# New FAA LSA regulation is being evaluated

## ▶ When?

- ▶ Not this year

- ▶ NPRM will likely come out in 2021

- ▶ When it does, read it, write to the FAA and support it.

- ▶ <https://www.regulations.gov/document?D=FAA-2018-0926-0001>

- ▶ Forecast:

- ▶ NPRM by Oshkosh 2021

- ▶ 16 Month clock starts

- ▶ Dec 2023 deadline set by congress - funding attached for “Sweeping Regulation Change”

- ▶ Includes Homebuilts and Warbirds and Pro-build Centers



# FAA Medical Deferment Update (SFAR 118)

- ▶ <https://www.govinfo.gov/content/pkg/FR-2020-10-06/pdf/2020-22004.pdf>
- ▶ The dates have not changed
- ▶ See the table on the third page of the rule to understand how the SFAR affects currency, flight reviews, etc.

## When Does My Medical Expire?

If the expiration date was March 31, the medical is valid until June 30.

If the expiration date was April 30, the medical is valid until July 31.

If the expiration date was May 31, the medical is valid until August 31.

If the expiration date was June 30, the medical is valid until September 30.

If the expiration date was July 31, the medical is valid until October 31.

If the expiration date was August 31, the medical is valid until November 30.

If the expiration date was September 30, the medical is valid until December 31.

# EAA Monthly Chapter Magazine

- ▶ <http://eaa.brightcovegallery.com/chapters>