

# FAA INSPECTION AUTHORIZATION RENEWAL SEMINAR

## Details

- **Date:** March 28, 2019
- **Time:** 8:00a.m. – 5:00 p.m.
- **Location:** Plecker Center, Room 126 B & C  
Blue Ridge Community College

## Description:

Join us for the Blue Ridge Community College hosted FAA approved 8-hour IA Refresher. The refresher course will fulfill your requirements under **§65.93 Inspection Authorization Renewal (4)** “Attending and successfully completed a refresher course, acceptable to the Administrator, of not less than 8 hours of instruction.”

FAA Approval **Course Number:** C-IND-IM-181211-K-012-014 **Course Expiration:** 12/31/2020

## Questions about the course?

Contact: Fred D. Dyen, PhD [dyenf@brcc.edu](mailto:dyenf@brcc.edu)

## Content

1. Sarah MacLeod, Executive Director, Aeronautical Repair Station Association  
**RECORDKEEPING FOR MECHANICS**  
**Overview:** Regulatory responsibilities of the operator versus the maintenance provider in creating and maintaining maintenance records. How obligations can be shifted by contract, but not under aviation safety regulations. Maintenance recordkeeping regulations; the documents essential to making airworthiness determinations.
  - Find regulatory requirements and standards.
  - Differentiate between operator and maintenance provider aviation safety responsibilities.
  - Distinguish among and between aviation safety requirements and contractual obligations.
  - The general rules associated with recording civil aviation maintenance and inspection actions.
  - The extent and nature of the maintenance provider’s responsibility for making records.
  - How to limit mistakes when making maintenance and inspection records
2. Chris Holder, Concord Battery Corporation Eastern Sales Manager  
**CARE AND MAINTENANCE OF LEAD ACID BATTERIES**  
**Overview:**
  - Types of Lead Acid Batteries used in aircraft today.
  - TSO - Instructions for Continued Airworthiness.
  - Special considerations for cleaning, charging, capacitance testing.
3. Sarah MacLeod, Executive Director, Aeronautical Repair Station Association  
**AIRWORTHINESS DIRECTIVE COMPLIANCE**  
**Overview:** 14 CFR part 39 – Airworthiness Directives (ADs)
  - What an AD is.

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- Its force and effect.
  - What work it may require.
  - How an AD interrelates with maintenance instructions.
  - The basic structure of an AD.
  - How to access and keep current on these rules
4. Tim Gauntt, Hartzell Engine Technologies Director of Product Support

## FUNDAMENTAL ELECTRICAL SYSTEMS

### Overview:

- A comprehensive look at the alternator and starter systems used on today's GA fleet.
- Historical and modern alternators and starters
- Lightweight versus heavyweight starters
- Advantages and disadvantages of each
- Troubleshooting, maintenance and installation tips to help secure a long, serviceable life for your electrical system components.

## LUNCH

5. Vern Rogers, Parker Hannifin Corporation Technical Support Training Manager
6. Neal George, Continental Motors Group Product Support Engineer

## ENGINE CARE AND OPERATION

### Overview:

- Key points of cylinder health check
- Getting to know your Continental engine
- Continental engine subsystems
- Points to consider regarding engine oil.
- Powerlink FADEC system
- Engine break-in procedures
- Fuel management practices.
- Important points to consider regarding your engine

7. Christopher Mills, Classic Aircraft LLC Sheet Metal Technician and Inspector

## CARE AND MAINTENANCE OF CLASSIC AND ANTIQUE AIRCRAFT

### Overview:

- Types of repairs and alterations
- AC 23-27 - Parts and Materials Substitution for Vintage Aircraft
- What determines an aircraft's lifespan
- Special considerations for....
- Restoration and Maintenance Links

8. Ben Chupp, Shenandoah Avionics LLC Avionics Technician

## INSTALLATION OF ADSB IN JENNY'S TO JETS

### Overview:

- The 10 Commandments of Wiring Maintenance
- Types of ADS-B Systems
- Factors to consider vis-à-vis airspace operations
- Approval Basis
- Getting the Installation Right – ADS-B installation Errors
- Common Pitfalls or "What I would wished I knew before I started."
  - FAA Field Approval Guidance

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