

The New Part 147: A Comprehensive Update from FAA Safety Standards

Presented To: 2024 ATEC Annual
Conference

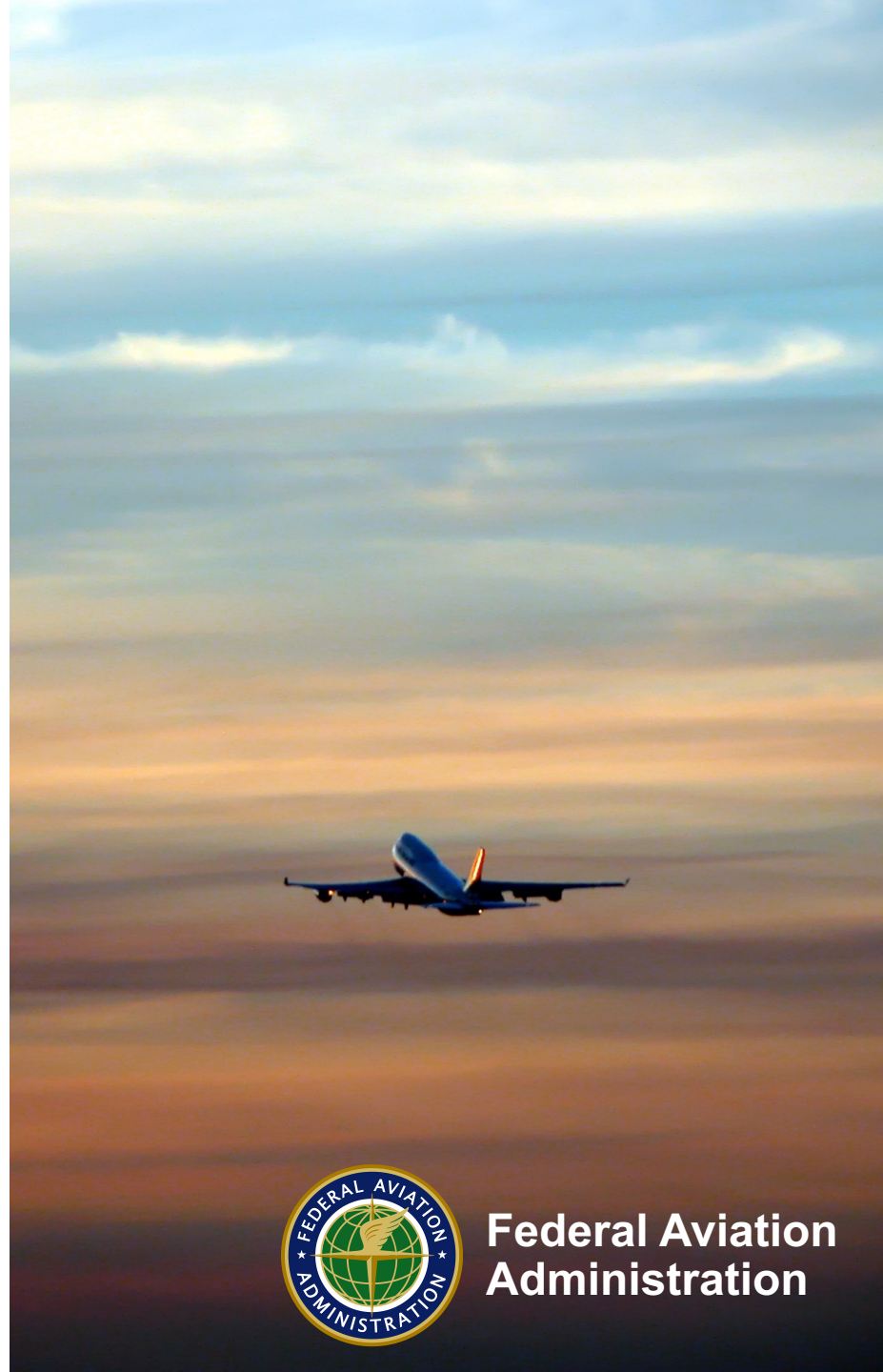
By: FAA Flight Standards Service, Aircraft
Maintenance Division, Airmen Group

Date: Tuesday, March 19, 2024

Breakout #9: 9:30 – 10:30

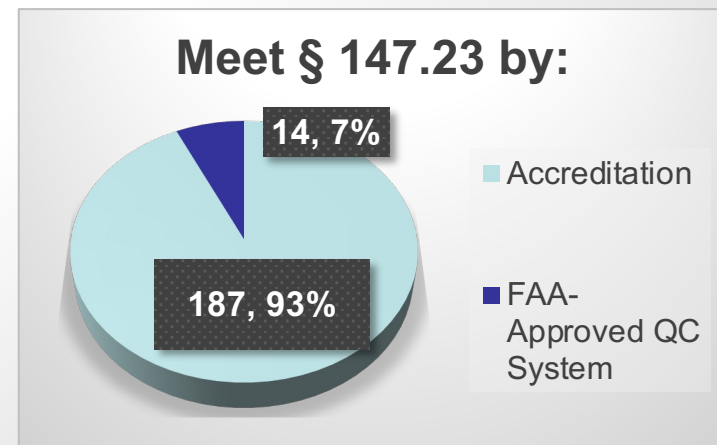
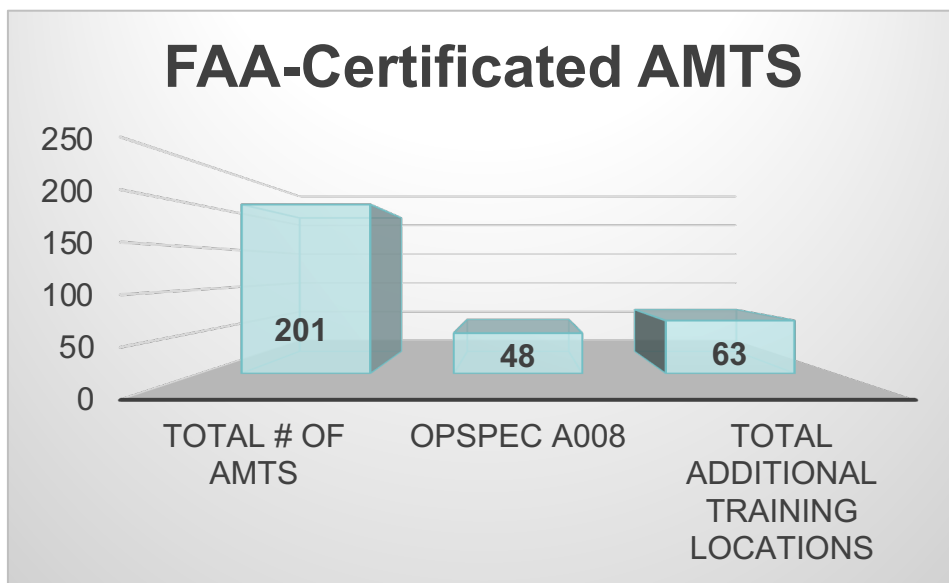


**Federal Aviation
Administration**



FAA Certificated AMTS

- **September 21, 2022** – New regulations effective
- **AMTS stats** (as of 2/26/2024)



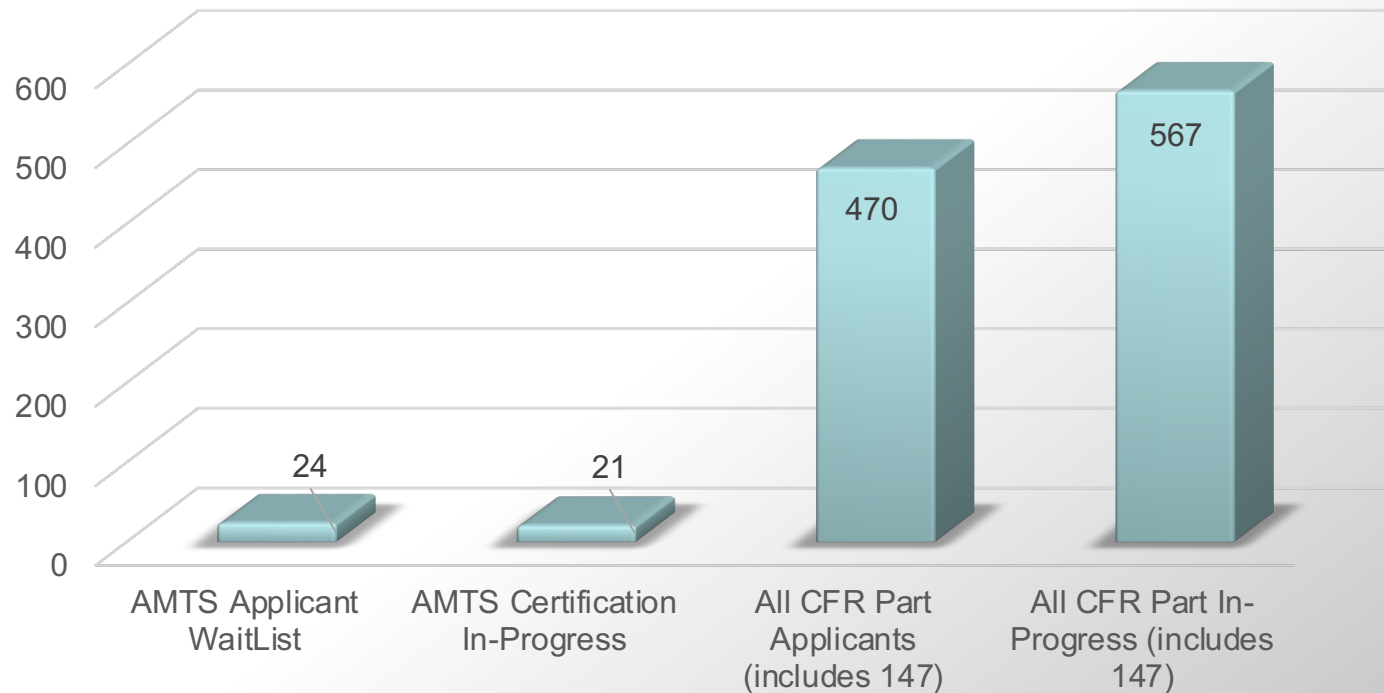
- No AMTS located outside the US
- No additional training locations outside of the US



AMTS Certification

- 45 potential new AMTS (as of 2/26/2024)

Certification



AMTS Training Data

§ 147.17(a) Training requirements

(a) Each certificated aviation maintenance technician school must:

- (1) Establish, maintain, and utilize a curriculum that is designed to continually align with the mechanic airman certification standards referenced in paragraph (b) of this section, as appropriate for the ratings held;
- (2) Provide training of a quality that meets the requirements of § 147.25; and
- (3) Ensure students have the knowledge and skills necessary to be prepared to test for a mechanic certificate and associated ratings under subpart D of part 65 of this chapter.

1. 147.25 Pass Rate report – single report showing pass rate of each AMTS
2. 147.17 Quality of Instruction reports – Various reports based on FAA test results



AMTS Training Data

§ 147.17(a) Training requirements

(a) Each certificated aviation maintenance technician school must:

- (1) Establish, maintain, and utilize a curriculum that is designed to continually align with the mechanic airman certification standards referenced in paragraph (b) of this section, as appropriate for the ratings held;
- (2) Provide training of a quality that meets the requirements of § 147.25; and
- (3) Ensure students have the knowledge and skills necessary to be prepared to test for a mechanic certificate and associated ratings under subpart D of part 65 of this chapter.

Pass Rate Report (147.17(a)(2), 147.25)

- Single report, single data point per AMTS
- Based on the parameters in 147.25:
 - 60 days after graduation
 - All tests taken (written, oral, practical)
 - For the last 3 years
- A pass rate under 70% does not meet part 147 training requirements

Quality of Instruction Reports (§ 147.17(a)(3))

- Various Reports:
 - Reports by section, subject area, 147.31 and 65.80 tests, etc
 - Data: within 30 days/60 days of graduation
 - Data based on: “first test” attempt, retests, other



Early Testing

- **“early” refers the student not being graduated**
- **§ 65.80 “early” oral and practical**
 - Prior to graduation and completion of written tests
 - If student completes O & P prior to graduation, all that’s left to take are the written tests.
- **§ 65.75(c) + 147.31, “early” general written**
 - Written test only
 - Does not extend to general oral or practical tests



Early Testing FAQ

- **Will early testing affect my 147.25 pass rate? NO**
 - Early testing will not negatively affect pass rate
 - Pass rate only includes data from after graduation; early tests are all prior to graduation.
 - Once the student graduates, only the remaining tests (e.g., written tests if testing under 65.80) are used in the pass rate calculation
- **Can I take general O&P as soon as I pass my general written test? NO**
 - Must either graduate or test under 65.80 to take the general oral/practical (see 65.75(b))



Part 147 Guidance Updates

- **Guidance changes**
 - 8900.1 minor editorial updates
 - Changes to certification process
 - Applicants not added to waitlist until all documents for formal application are submitted
 - Once FAA resources assigned, FAA begins design assessment (document review)
 - Removing A025 OpSpec (in the next few months)
 - Once removed from webopss, CH's can use electronic records, manuals, signatures without ops spec issuance/FAA approval.
- **AC 147-3 edits to align (with above) will follow the guidance changes above**



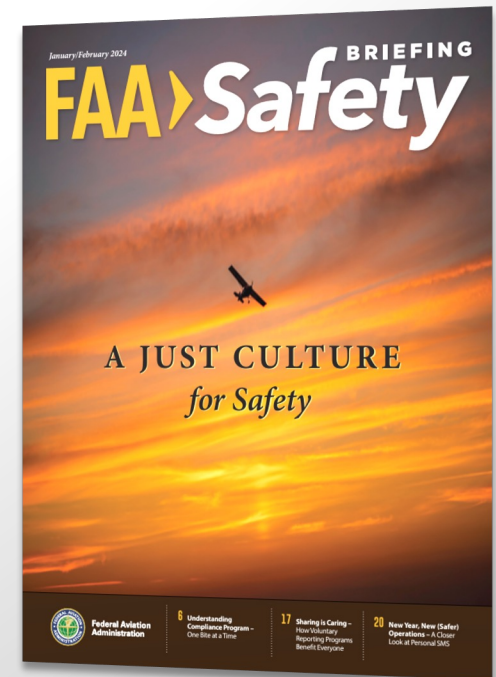
Part 147 Training

- **Inspector Training Courses**
 - Online eLMS FAA 27100162, *Intro to Part 147 Aviation Maintenance Technician Schools for GA Airworthiness ASIs.*
 - Virtual Instructor-Led (vILT), FAA 21000113, *Aviation Maintenance Technician Schools*
 - vILT Prototype next week 3/25, then will be offered regularly
- **Inspector courses may be available for public upon request**



Compliance Program

- **Uses the most effective means to return a certificate holder to full compliance**
- **Emphasis on root cause and corrective actions that address the root cause (as opposed to reacting to event outcome)**
- **Promotes an open, problem-solving approach to allow safety problems to be understood through exchange of information**
- **Evolution towards a Just Culture**



Breakdown of Compliance Cases Since 2021

- **Part 147:**
 - 14 Compliance Actions
 - 2 Enforcement Cases
- **Enforcement cases for part 65, Subpart D, Mechanics:**
 1. 65.81(b), Understand current instructions of the manufacturer/ manuals
 2. 65.81(a), Perform/supervise maintenance
 3. 65.92(a), Inspection authorization duration
 4. 65.93(c), Inspection authorization renewal
 5. 65.95(a)(2), Perform an annual or progressive inspection
 6. 65.95(c), Notify change of fixed base of operation



Questions/Feedback



- **The policy office for part 147 rulemaking, policy, and guidance is:**
 - Office of Safety Standards, Aircraft Maintenance Division (AFS-300).
Division Manager: Jackie Black
 - Airman and Special Projects Group (AFS-320), Manager: John “Jay” Hiles
 - Airmen Section, Section Manager: Kevin Morgan
- **Division Email: 9-AWA-AFS-300-Maintenance@faa.gov**

