



The New Part 147: An Overview



The New Part 147: Road to Reform

- Jan 2009: ARAC [recommends broad changes](#) to part 147
- Nov 2015: [Notice of Proposed Rulemaking](#)
- Apr 2019: [Supplemental Notice of Proposed Rulemaking](#)
- Dec 2020: PARTT 147 Act ([S.3043/H.R.5427](#)) becomes law, directs FAA to remove and replace part 147 with community-drafted language
- Mar 2022: FAA [publishes copy](#) of interim final rule
- May 2022: FAA publishes [interim final rule](#)



The New Part 147

- Effective Sept. 21, 2022
 - Don't panic!
 - Schools largely in compliance now
 - Will break down exactly what schools need to do next week
- Open for comment until Sept. 21, 2022 (but no changes anticipated)
- The FAA has withdrawn the previous part 147 rulemaking (RIN 2120-A K48), which includes the NPRM and SNPRM.



The New Part 147: Performance Based

- No seat time requirements (allowing for competency-based programs)
- No curriculum approvals
- No distance learning approvals
- FAA will assess a program's quality based on test performance



The New Part 147: Creates Efficiencies

- For nationally accredited institutions, the FAA will defer to accreditor oversight in all educational elements (e.g., teaching ratios, grading systems, number of instructional hours, competency determinations, etc.)
- Non-accredited institutions must have an FAA-approved quality system



The New Part 147: FAA Oversight

- Facilities,
- Materials,
- Equipment,
- Instructor qualifications,
- Student-to-instructor ratio for shop class,
- For non-federally accredited orgs, the quality system, and
- Curriculum alignment with mechanic [Airman Certification Standards \(ACS\)](#)



Mechanic Airman Certification Standards

- For purposes of AMTS curriculum alignment, ACS is effective on Sept. 21, 2022
- For purposes of testing, ACS is effective July 31, 2023
- Continually revised in line with stakeholder feedback

General	
Subject A. Fundamentals of Electricity and Electronics	
<i>Objective</i>	<i>The following knowledge, risk management, and skill elements are required for basic electricity and electronics.</i>
<i>Knowledge</i>	<i>The applicant demonstrates understanding of:</i>
AM.I.A.K1	Electron theory (conventional flow vs. electron flow).
AM.I.A.K2	Magnetism.
AM.I.A.K3	Capacitance in a circuit.
AM.I.A.K4	Inductance in a circuit.
AM.I.A.K5	Alternating current (AC) electrical circuits.
AM.I.A.K6	Direct current (DC) electrical circuits.
AM.I.A.K7	Electrical laws and theory.
AM.I.A.K7a	a. Ohm's Law
AM.I.A.K7b	b. Kirchhoff's Laws
AM.I.A.K7c	c. Watt's Law
AM.I.A.K7d	d. Faraday's Law
AM.I.A.K7e	e. Lenz's Law
AM.I.A.K7f	f. Right-hand motor rule
AM.I.A.K8	Electrical measurement tools, principles, and procedures.
AM.I.A.K9	Voltage.
AM.I.A.K9a	a. Regulation
AM.I.A.K10	Current.
AM.I.A.K11	Resistance.

Conforming Changes in Part 65

- Changes to align with part 147 terminology (e.g., reference to authenticated documentation)
- Incorporates by reference the ACS to align testing and training
- Instead of listing certain knowledge areas for the written test, the ACS will now be used as the testing standard. For all FAA testing (including the O&P), the ACS will replace the PTS next summer.



Upcoming Weekly Webinars

[The Next 120 days: A Checklist](#)

[Aligning Curriculum to the ACS: New 147.17 Training Requirements](#)

[Opportunity Awaits: New 147.15 Training Provided at Another Location](#)

[Accreditor Deference: New 147.23 Quality Control Systems](#)

[A Quality Check: New 147.25 Minimum Passage Rate](#)



Reading Assignment

[Interim Final Rule \(effective 09.21.22\)](#)

[Advisory Circular 147-3C](#)

[Mechanic Airman Certification Standards](#)

[Notice N8900.616 \(Inspector Guidance\)](#)



Resources

[Gap Analysis \(Rev. 3\)](#) ([record of revisions](#) and previous versions)

Part 147 vs. ACS vs. PTS comparison (coming soon)

Part 147 comparison (in the preamble to the rule)

Previously-recorded webinars and conference sessions

Question & answer bank and FAA FAQs

www.atec-amt.org/the-new-part-147





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