



Broaden the Pipeline

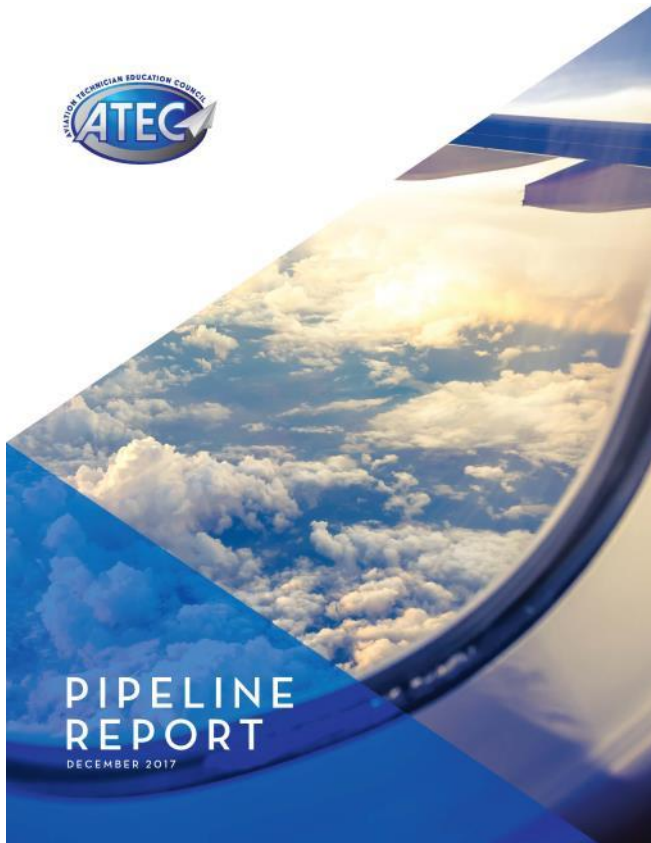
Maintenance workforce challenges and opportunities



About ATEC

- Promotes and supports aviation maintenance technician education
- Represents 72% of the 171 FAA-certificated aviation maintenance technician schools
- Industry supporters include—





- Sixty-one percent of all AMTS participated in the survey (171 active AMTS with total enrollment 17,791)
- Includes data from AMTS survey, National Center for Education Statistics College Navigator and FAA Airman Statistics and data downloads



atec-amt.org/workforce



Pipeline
Report
Findings

- Mechanics are retiring faster than they are being replaced.
- Schools have the capacity to double production of A&P candidates.
- Twenty percent of candidates pursue careers outside of the industry and only 60% elect to take the FAA mechanic certification test.

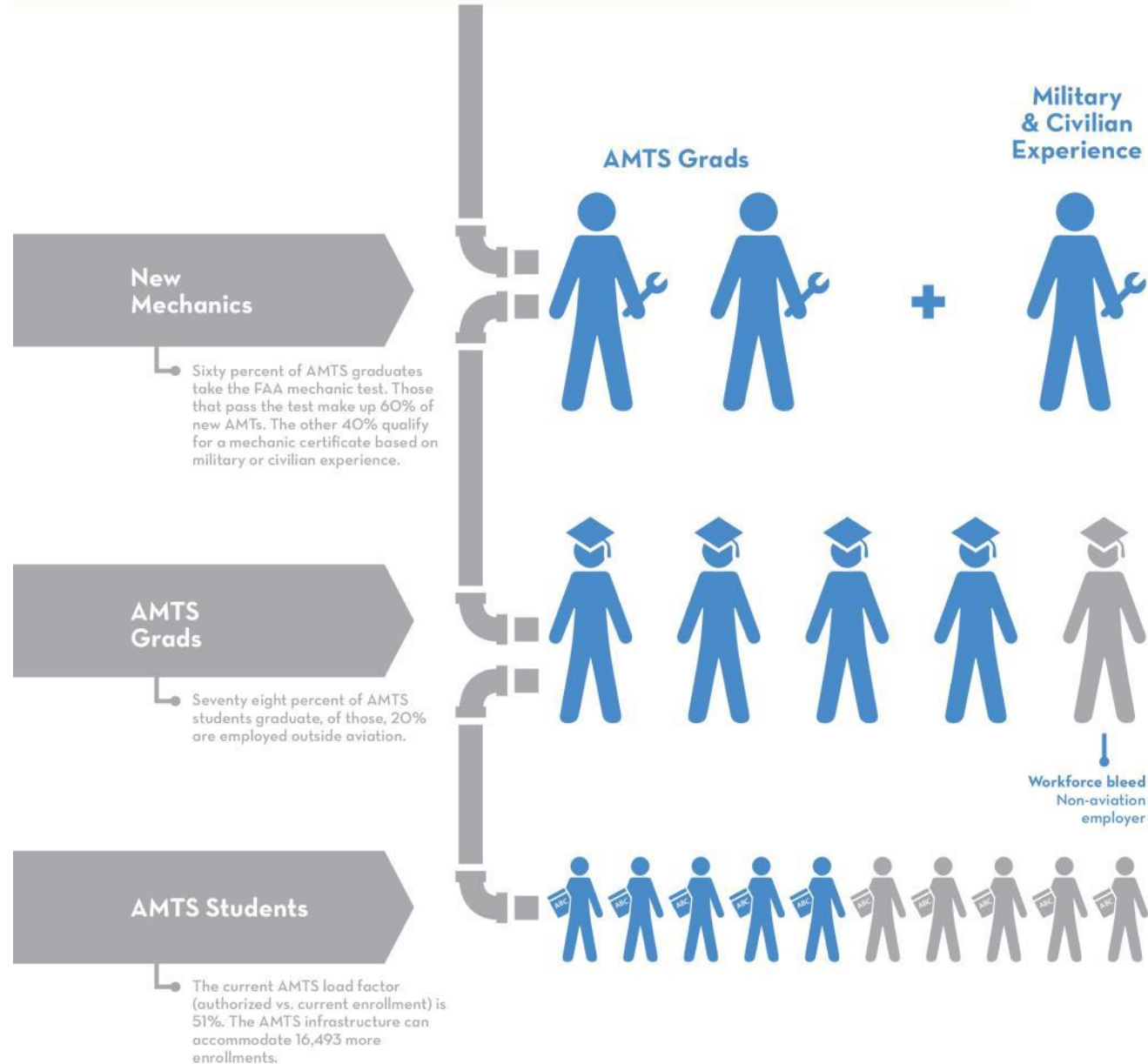


Anticipated mechanic population by 2032

227,870

Current mechanic population

237,513



Part 147

- Title 14 Code of Federal Regulations part 147 governs FAA-certificated AMTS.
- Curriculum requirements were slightly revised in the 1990s, largely unchanged since the 1970s.
- A November 2015 notice of proposed rulemaking would remove static curriculum requirements and allow for a “credit hour” system.
- Industry asked for a “performance based” rule and risk-based oversight arguing that part 147 should dictate operations requirements (facility, equipment, personnel) and leave quality enforcement to the Department of Education and A&P testing.
- A supplemental proposed rule is expected “soon.” (The target date for publication was Oct. 31 2017.)
- We expect that the SNPRM will include provisions for competency-based programs (i.e., loosening or removal of hour requirements).
- Agency officials have stated that a final rule is expected 24 months after the SNPRM comment period closes.



AMT Airman Certification Standards

- An FAA/industry [Aviation Maintenance Technician \(AMT\) Airman Certification Standards \(ACS\)](#) working group is updating and modernizing mechanic testing standards ([draft AMT ACS](#) available for comment thru May 31 at faa.gov/training_testing/testing/acs/)
- Brainchild of an Aviation Rulemaking Committee chartered in 2011 with pilot and FAA representatives
- FAA and industry partners develop approach that will:
 - Provide clear standards for aeronautical knowledge
 - List specific behaviors for risk management
 - Connect the standards for knowledge, skill and risk management to guidance and testing



Advocacy Efforts

- Align part 147 with AMT ACS
 - Working group recommendations
 - Engagement with flight standards
- Congressional push for a “fast-tracked” rulemaking
- Southern Utah University petition for exemption (regulations.gov docket ID FAA-2018-0215-0007)



Other Choke Points

- Student accessibility to Designated Mechanic Examiners
 - Currently 279 mechanic examiner designees vs. nearly 18,000 current students (70% attend a two-year program)
 - Focus on educating industry on the application process
 - Tools to support needs analysis
 - Talks with the agency on potential ODA for DMEs
- High School Partnerships
 - Encourage dual enrollment high school programs
 - Utilization of additional fixed locations on AMTS op specs
- Distance Learning Program Approvals



ATEC Activities

- Annual Conference in Wichita March 18-20, 2019
- Employer Expo on Monday March 18, 2019
- ATEC Fly-in in Washington Sept. 12-13, 2018
- ATEC Journal: opportunity for industry to talk about emerging technologies or teaching methods
- Support through membership at atec-amt.org/join





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