



ATEC Fly-In
September 6-7, 2017

Agenda

- Wednesday, September 6
 - AM FAA Briefings
 - Lunch provided by HAI
 - PM DOE Briefing and Industry Roundtable
 - 5:30 Dinner @ Bugsys
- Thursday, September 7
 - 8:00 am Breakfast and Congressional Briefings
 - 9:30 am Congressional meetings
 - 11:30 am Education policy briefing & lunch
 - 4:00 pm Reception
- Friday, September 8: Board Meeting

Materials

- Handout
 - Speaker and attendee updates
 - Thanks to our sponsors
- Congressional directories
- U.S. Capitol and Metro maps
- Leave Behinds
 - Legislative priorities
 - Part 147 and BLS articles
 - AMTS survey
- ATEC Materials
 - Membership brochures
 - Advertising opportunities

Industry top issues

- Modernize outdated FAA maintenance technical school regulations
- Ensure government occupational data accurately reflects aviation maintenance workforce needs
- Support a Skilled and Dynamic Aviation Workforce

Part 147

- Curriculum requirements revised in the 1990s, but largely unchanged since the 1970s
- An NPRM was issued Nov. 2015
- ATEC, industry-supported, comments suggested less prescriptive language that would allow competency-based programs
- SNPRM is expected next month

Part 147: Regulatory Efforts

- Continue ACS working group activities and industry outreach for feedback
- Ensure SNPRM comments address the need to utilize ACS as both testing and training standards
- Develop tools and resources for the new part 147 implementation (bridging document, model operations manual, model curriculum, etc.)

Part 147: Grassroots efforts

- Last February, Representatives Tom Rice (SC) and Jim Bridenstine (OK) made inquiry into status of rulemaking
- Huerta's response was that it was a "high priority"
- Rep. Lamar Smith (TX) sent inquiry last month
- Gus Bilirakis (FL) sent inquiry last week
- Ask is to keep the pressure on, reference The Hill article and legislative issues one-pager

The Demand for AMTs

- [Oliver Wyman forecasts](#) that by 2027 U.S. demand for maintenance technicians will outstrip supply by 9%
- [Boeing forecasts](#) 648,000 technicians needed by 2036
- [Airbus estimates](#) that the commercial fleet will require more than a half million new technicians by 2036

The Demand for AMTs

- Aeronautical Repair Station Association member survey: 67% will hire additional workers in the coming year, three-quarters of those report at least some difficulty finding qualified people
- AMT Magazine readership
 - 40% age 61 and over
 - 37% age 51 to 60
- AMTS survey respondents reported a student-placement rate of 76% upon graduation

Government Data

- U.S. Bureau of Labor Statistics outlooks do not support the shortage and works against us in that the data feeds funding and career tools
- BLS projects 1% growth for aviation mechanics and technicians (below the national average of 6.5%) and annual replacement needs of 2,900. That amounts to around 30,000 new jobs in 2014-24
- Expected changes to methodology this fall will hopefully result in better numbers

Reach of BLS Numbers

- The Labor Department's MyNextMove.org bestows "bright outlook" designations on occupations expected to increase employment by at least 14%, or have more than 100,000 job openings, over the next 10 years.
- Since estimated replacement needs do not meet the 100,000 threshold, retirements are not considered in the job outlook.
- Thus aviation maintenance is left with a "below average" outlook and a stormy rain cloud.

Aircraft Mechanics & Service Technicians

Also called: Aircraft Mechanic, Aircraft Technician, Airframe and Powerplant Mechanic (A and P Mechanic), Aviation Mechanic

What they do:

Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helicopter and aircraft engine specialists.

On the job, you would:

- Examine and inspect aircraft components, including landing gear, hydraulic systems, and deicers to locate cracks, breaks, leaks, or other problems.
- Conduct routine and special inspections as required by regulations.
- Inspect completed work to certify that maintenance meets standards and that aircraft are ready for operation.

KNOWLEDGE

Engineering and Technology

- mechanical
- product and service development

Arts and Humanities

- English language

Business

- customer service

Math and Science

- arithmetic, algebra, geometry, calculus, or statistics

SKILLS

Basic Skills

- thinking about the pros and cons of different ways to solve a problem
- reading work related information

Problem Solving

- noticing a problem and figuring out the best way to solve it

Technical

- planning and doing the basic maintenance on equipment
- repairing machines or systems using the right tools

ABILITIES

Hand and Finger Use

- put together small parts with your fingers
- hold or move items with your hands

Verbal

- read and understand what is written
- communicate by speaking

Ideas and Logic

- notice when problems happen
- order or arrange things

Controlled Movement

- quickly change the controls of a machine, car, truck or boat

PERSONALITY

People interested in this work like activities that include **practical, hands-on** problems and solutions.

They do well at jobs that need:

- **Attention to Detail**
- **Integrity**
- **Dependability**
- **Persistence**
- **Self Control**
- **Adaptability/Flexibility**

TECHNOLOGY

You might use software like this on the job:

Facilities management software

- Access Software AIRPAX
- Maintenance information databases

Data base user interface and query software

- Metis Systems MainTrack
- Mxi Technologies Maintenix

Analytical or scientific software

- CaseBank SpotLight
- CynapSys Virtual DER

EDUCATION



certificate after high school or associate's degree usually needed

Get started on your career:



JOB OUTLOOK



New job opportunities are **less likely** in the future.

SALARY:
\$58,370
per year, on average



EXPLORE MORE

- [Automotive Specialty Technicians](#)
- [Chemical Plant & System Operators](#)
- [Elevator Installers & Repairers](#)
- [Industrial Machinery Mechanics](#)
- [Mobile Heavy Equipment Mechanics](#)

You might like a career in one of these industries:

- [Transportation & Storage](#)
- [Manufacturing](#)
- [Government](#)

See more details at [O*NET OnLine](#) about aircraft mechanics and service technicians.

Reach of BLS Numbers

- Populates research and workforce development initiatives
- State funding programs (e.g., careersourceflorida.com uses BLS growth number as impetus for student aid and grant funding)
- What else?

Support Aviation Workforce

- Rep. Bustos amendment to the FAA bill directs GAO to study causes, effects, and solutions to aviation technician shortage
- Sen. Inhofe is considering an amendment that would create a grant program to support aviation maintenance workforce development initiatives

Congressional Office Structure

- Member of Congress (Representative or Senator)
- Chief of staff is the political point person
- Legislative director leads committee assignments
- Legislative assistants are assigned specific issues
- Legislative correspondents draft constituent letters
- Staff assistants organize tours, answer phones
- Scheduler is the lawmaker's executive assistant

Hill Meeting Tips

- Be concise – meeting may only last 10 or 15 minutes
- Dumb it down – don't use acronyms and industry jargon. Don't assume staff/lawmakers know anything about your institution or industry
- Leave something behind (ATEC one-pager in your materials)
- Focus on introducing your institution and ATEC, and educating the member/staffer on the industry and a few items of concern to industry in general or your institution specifically

Hill Meeting Tips

- Be on time and be flexible
- Don't be afraid to say, "I don't know"
- Invite staff for a facility visit
- Don't discuss campaign contributions
- Grab two business cards, one for you and one for ATEC

Reinforce the Relationship

- Follow up with an email, thank you, etc.
- Support candidates (e.g., making contributions, attending fundraisers)
- Attend town hall meetings
- Host facility visits
- Form local coalition of other interested parties
- Get involved with a trade group, local chamber
- Write letters to the editor/Op-Eds
- Vote!!!

Hearing Schedule

- https://www.senate.gov/committees/committee_hearings.htm
- http://docs.house.gov/Committee/Calendar/ByWeek.aspx?WeekOf=09032017_09092017



www.atec-amt.org

atec@atec-amt.org | 703-548-2030