



Aviation Technician Education Council

2090 Wexford Court
Harrisburg, PA 17112
Telephone (717) 540-7121
[http: atec-amt.org](http://atec-amt.org)

FEBRUARY 2008

RE: ATEC UPDATE
TO: ALL MEMBERS
FROM: LAURIE JOHNS, PRESIDENT

FAA PART 147 ARAC

This group met for the 2nd time in November 2007. The ATEC Board has membership on the ARAC group through Ray Thompson, who serves as the co-chair of the group, along with Andrew Smith and Tom Hendershot. Additionally, the working group's overall membership has several other ATEC school representatives. If you have comments, please feel free to contact ATEC at ccdq@aol.com.

All input, views and comments are welcomed and should be submitted to the ARAC in writing and verbally at the conference but the work of the FAA ARAC Part 147 working group is a closed discussion process. ARAC members cannot provide details of the work being performed. There is, however, a strong ATEC school representation and the interests of schools and the desires expressed are being addressed.

The following is the input which ATEC sent to the ARAC. It is a summary of all comments and concerns ATEC received from members:

A. Time and Competency Levels

“In 147.21(b)...the curriculum must offer at least the following number of hours...” should be interpreted as written. It does not mean the number of hours the student must be in the seat.

All agreed that the number of hours offered should remain at 1900 but that a competency based system should be established and tied to the students' satisfactory completion of all projects and assignments. The focus should be on measuring a student's competence not on make-up of the seat time hours.

While ATEC members agreed on the overall concept of shifting to a more competency based system, several different approaches were suggested to reach that objective:

1. Allow up to a 10% absence policy while requiring completion of all assignments.
2. Develop minimum and maximum hour requirement for each subject, as well as a minimum for overall certification.
3. Develop performance based outcomes with minimum hours on a sliding scale e.g. a 4.0 GPA equals 1600 hours; 3.0 GPA equals 1750 hours; a 2.0 GPA equals 1900 hours minimum.

In general, any reduction in the number of overall contact hours must be linked to an increase in competency or performance levels.

“Minimum required hours should only be lowered with a correlation of competency levels being raised to offset the time reduction” was a comment expressed by several people.

B. Curriculum Flexibility

“Every regulatory change tried in the past thirty years has failed to bring schools to the technological level required by industry.”

All ATEC member input focused on the themes of schools being able to update the curriculum to industry’s changing needs while allowing for flexibility to meet those needs through alternate delivery methods.

From this basic premise several suggestions were offered:

1. Remove the existing Appendix from the Rule; suggest making it an Advisory Circular or if that is not possible add language to the rule that allows Alternate Means of Compliance (AMOC).
2. Categorize subject matter into two sections: (a) core content and (b) course electives. This would allow institutions to move toward modernization of their programs while being able to address industry concerns as needed with a simple change in the more flexible approved curriculum.
3. Appendix A(c) Teaching materials and equipment should be revised to include provisions and specifications for approval of online, CBT, distance education for certain subjects and material appropriate for this type of curriculum delivery medium. Provisions should be made so that schools may be able to take advantage of other certified distance education coursework offered by other PART 147 schools.
4. Allow the curriculum to be open-ended so that revisions can be made by the process of showing industry need.
5. Allow schools and industry the flexibility to determine where a student is prepared to go to work. Some schools may choose to train students for high technology industry jobs; others may not want to teach coaxial cable repair, built-in test equipment,

electrostatic devices, differential resolvers, flight management systems, etc. because those schools are training their students for a specific part of the aviation industry that doesn't require those skills.

C. Standardization

“All PART 147 schools should be supervised on an equal basis by the local FSDO office.”

Consistency and standardization of supervision was an overriding theme in all ATEC members' comments.

It was strongly urged to develop a process or system whereby standardization could become a reality in the FAA's approval and compliance system.

General Suggestions

The following comments did not fall under any of the three main themes:

1. All content should be taught to at least level two (2).
2. Appendix B to PART 147 General Curriculum Subjects
 - Maintenance Publications
 - Need to include ASTM specifications dealing with special light sport aircraft and experimental light sport aircraft.
 - Mechanic Privileges and Limitations
 - Need to include privileges with regards to light sport aircraft.
3. Appendix D to PART 147 Powerplant Curriculum Subjects
 - Reduce item 5 Overhaul turbine engine to a level 1.
 - This is never done in the field. Also requires specialized tooling and training. Usually completed at a repair station and training is received after employment.
 - Unducted Fans
 - Remove from the curriculum item 40 completely.

Be sure to attend the April 8 conference session in Las Vegas to provide final input to the Part 147 ARAC.

ATEC MEMBERSHIP

January 2007

111	Institutional
3	Individual
17	Industry
<u>12</u>	Life
143	TOTAL

January 2008

109	Institutional
7	Individual
22	Industry
<u>10</u>	Life
148	TOTAL

SCHOLARSHIPS AND AWARDS

S&K Tool Company will donate tool sets and Wing Aero Products company will donate Aviation Book sets to be awarded to students of ATEC member schools who apply and are selected as recipients by the Selection Committees. The NIDA Corporation is donating an Aviation Maintenance Training System valued at \$7,490.00 to be awarded to an ATEC school. Instructor Training Assistance Programs are in force for 2008 (AVOTEK and NRF). The following scholarships and awards are available to ATEC schools, instructors and students:

- Ivan D. Livi Outstanding Instructor of the Year Award
- James Rardon Outstanding Aviation Technician Student of the Year Award
- S&K Tool Scholarships (3 sets of tools)
- Wing Aero Aviation Book Scholarships (10 sets of books)
- NIDA Corporation School Award (1 Aviation Maintenance Training System)
- FlightSafety International Beech King Air Maintenance Training Course Scholarship
- Southwest Airlines Boeing Systems and Avionics Training Scholarship
- Northrop Rice Foundation Instructor Financial Assistance Program
- AVOTEK Dale Hurst Memorial Scholarship for Instructor Financial Assistance

For more information and applications, go to www.atec-amt.org.

ATEC ANNOUNCES NEWEST AWARD

Rotorcraft's StartPac Award for ATEC schools will be administered by the Northrop Rice Foundation. Rotorcraft Enterprises is awarding one of their StartPac power supplies. For more information and an application, go to www.atec-amt.org and look under Scholarships. The deadline for submission of applications is March 1.

ABSENTEE BALLOT

If you are unable to attend the Annual ATEC Conference on April 6-8 in Las Vegas, you may request a Ballot to vote for new members of the ATEC Board.

Requests may be sent to ccdq@aol.com by **March 7**. And all votes must be received in the ATEC Business Office by **March 31**. Only one vote is allowed per institution.

FAA PART 147 CERTIFICATIONS

Total 2007 Mechanic Certificates:	7,885
Total with School Code:	4,905
Original Issues:	3,121
Added Ratings:	1,784
Total Without School Code:	2,980
Original Issues:	2,645
Added Ratings:	335

From the previous numbers, it is clear that with almost 5,000 certifications, schools provide the most new A&P's for the country.

CHANGES AT atec-amt.org WEBSITE

1. An updated, easy to use on-line Directory of schools on the ATEC website will replace the hard copy printed Directory in 2008.
2. The nominees for the ATEC Board will be posted on the website in mid-March with pictures, biographical information and their goals for ATEC.
3. ATEC will have a membership brochure posted on the website by March 1. This easily downloadable version will be used to solicit new institutional members.
4. Be sure to check "Faculty Openings" – the newest section on the website www.atec-amt.org. Schools can post openings for a fee of \$50 per opening. Contact the ATEC Business Office at ccdq@aol.com to get your posting on the website.
5. Over 600 Fall issue electronic ATEC Journals were sent out to people at member schools and throughout the aviation industry.



Aviation Technician Education Council

2090 Wexford Court
Harrisburg, PA 17112
Telephone (717) 540-7121
<http://atec-amt.org>

APRIL 2008

RE: ATEC UPDATE
TO: ALL MEMBERS
FROM: LAURIE JOHNS, PRESIDENT

ATEC CONFERENCE

Over 120 participants from 70 schools and 34 exhibitors from 20 companies attended the 48th Annual ATEC Conference in Las Vegas on April 6-8.

While most participants rated the networking opportunities quite positively, the most highly rated programs were:

1. Boeing 787: The New Technology
2. Soft Skills in Aviation Maintenance Labs
3. 147 ARAC: Final Input
4. Skycatcher – LSA
5. Medical Issues in the 147 Curriculum
6. Top Ten Mistakes New Grads Make in a Job Search

In 2009, ATEC will hold its Annual Conference at the Holiday Inn International Drive Resort in Orlando on April 19-21, just prior to the nearby Sun and Fun Air Show.

Then in 2010 ATEC will take a break from Vegas and go to Phoenix, Arizona, April 11-13 for the **50th Annual ATEC Conference at the Marriott Mesa Resort.**

147 ARAC

The rewriting of PART 147 is scheduled to be completed by June 2008. Once the ARAC issues its report, the proposed rule will begin the regulatory review process where there will be ample time for comments by schools and the aviation industry in general.

At the ATEC Conference in Las Vegas, it was reported that the ARAC is seriously considering changes to PART 147 that would:

- allow curriculum updates for easier changes so schools can keep current with industry needs
- provide changes in hours within the curriculum section
- allow for more flexibility and fewer restrictions so schools may change and introduce new technology that students need for the employers a school serves
- make it clear to inspectors what the rule means to ensure consistency
- allow for alternative methods for curriculum delivery e.g. on-line
- include human factors
- increase composite hours
- address make-up hours

However, it was made clear that the total minimum hours will remain at 1900.

Comments are still being accepted. Send your input to ATEC at ccdq@aol.com by April 30 and we will forward them to the ARAC Chair, Ray Thompson, who is also ATEC's Vice-President.

INDUSTRY MEMBERS

ATEC is looking for additional industry members to help provide us with input and suggestions regarding what aviation companies need in the way of specialized skills – how schools can provide a better A&P to industry.

Let us know of any companies you work with that may want to join ATEC and be part of that discussion.

ELECTION RESULTS

At the Conference, the following people were elected or re-elected to the ATEC Board.
(2010) Laurie Johns, President – Columbus State Community College
(2010) Ray Thompson, Vice President – DAE University
(2011) Joe Hawkins – Middle Tennessee State University
(2011) Brian McGlynn – Lane Community College
(2011) Mike Gehrich – Vincennes University
(2011) Harry Whitehead – Lansing Community College

ATEC WEBSITE AND E-JOURNAL

As you review the updated ATEC Website, please send any recommendations for improvement to domenic.proscia@vaughn.edu.

The ATEC peer reviewed e-Journal is now being sent to 650 people. If you are not receiving a copy twice a year and you would like a copy, send an e-mail with your e-mail address to domenic.proscia@vaughn.edu.

VIDEOS TO DVDs

Over 80 ATEC videos have been converted to DVDs so far.

Southwest Airlines recently donated several new videos.

Find them all on the Website www.atec-amt.org. Click on "Curriculum Resources."

SURPLUS EQUIPMENT

At the ATEC Conference, Dan Tobin, Director of the FAA Asset Management and Equipment Reutilization Office, described how schools can access surplus FAA equipment without surcharge before it is sent to GSA.

The Asset Management and Equipment Reutilization Office in the FAA manages the Stevenson-Wydler Act for Technology Innovation.

The Asset Management Office transfers excess property from NASA and the armed forces to institutions of higher education, as well as technical schools.

- Equipment must be used for direct educational purposes.
- It cannot be transferred for administrative support.
- Recipient pays for transportation but there is no administrative fee since it does not go through GSA.
- Title to the equipment transfers.
- Property must be serviceable and in working order.

Property that has been available and transferred to educational institutions in the past:

- Aircraft
- Aircraft and Engine Components
- Non Destructive and Destructive Test Equipment
- Aviation Hardware including Tubing, Hose and Fittings
- Metal, Fabric, and Composite Material
- Aircraft Support Equipment
- Flight Simulators

To access this property before it gets sent to GSA, the school sends a "want list" to the FAA Regional Property Disposal Officers on the attached list. They will search their data base for the requested property. They will then contact you if they find anything that meets your specs to see if you want it.

You can also ask to see the surplus equipment list each week so you can check it for yourself.

FAA Property Disposal Officers—Contact Information

Region	Name	Organization Code	Telephone
Alaska	Louise Mackey	AAL-54B louise.mackey@faa.gov	(907) 271-5332 or (907) 271-3740
Central- NE, IA, KS, MO	Marshall Fue	ASW-54C3 marshall.fue@faa.gov	(816) 329-3108 or (816) 329-3490
Eastern- NY, PA, WV, VA, MD, DC, N	Marvin Corb	AEA-52A marvin.corb@faa.gov	(718) 553-4973 or (718) 977-6686
FAA HQs- DC	Diane E Proctor	AWA/ASU-400 diane.e.proctor@faa.gov	(202) 267-8851
FAA Logistics Center- Oklahoma City	Toni D Ferencich	AML-1040/AMP-100 toni.d.ferencich@faa.gov	(405) 954-5137
FAA Technical Center- Atlantic City	Jackie Birts	ACX-53 jackie.birts@faa.gov	(609) 485-4485 or (609) 485-5998
Great Lakes- ND, SD, MN, WI, MI, IL, IN, OH	Carla L Cooper	ASW-52 carla.l.cooper@faa.gov	(817) 222-4306
New England- ME, VT, NH, MA, CT, RI	Jennifer Donnell	ANE-56 jennifer.donnell@faa.gov	(781) 236-7678
Northwest Mountain- WA, OR, ID, MT, WY, UT, CO	Steve Avolio	ANM-52M1 steve.avolio@faa.gov	(425) 227-2836 or (425) 227-1552
Southern- KY, TN, NC, SC, MS, AL, GA, FL	Alicia Dixon	ASO-52A alicia.dixon@faa.gov	(404) 305-5733 or (404) 305-6570
Southwest- NM, TX, OK, AR, LA	Mike Cornish	ASW-54C3 mike.cornish@faa.gov	(817) 222-4358 or (817) 222-4695
Western Pacific- CA, NV, AZ, HI, American Samoa, Guam, Marshall Islands & Singapore	Jeff Bazemore	AWP-54A3 jeff.bazemore@faa.gov	(310) 725-7519 or (310) 645-1026



SURVEY RESULTS

Each year ATEC surveys all PART 147 programs to assess enrollments, graduates and those who accepted a position in aviation. **Note: Not all schools return the survey each year.**

The following are the results for 1998-2006.

	<u>1998</u> n=143 schools	<u>1999</u> n=107 schools	<u>2000</u> n=114 schools
Enrollments	11,699	14,209	13,827
Graduates	4,510	3,872	4,978
Grads Who Went to Work in Aviation	3,338	3,709	4,039
	<u>2001</u> n=107 schools	<u>2002</u> n=94 schools	<u>2003</u> n=83 schools
Enrollments	12,328	11,199	10,862
Graduates	5,658	4,190	3,818
Grads Who Went to Work in Aviation	4,700	2,480	2,589
	<u>2004</u> n=83 schools	<u>2005</u> n=86 schools	<u>2006</u> n=71 schools
Enrollments	11,791	7,680	9,753
Graduates	3,601	3,226	3,522
Grads Who Went to Work in Aviation	2,381	2,047	2,340

2008 SCHOLARSHIPS AND AWARDS

The winners of the scholarships and awards were announced at the Awards Banquet on April 7, 2008 during the ATEC Annual Conference held in Las Vegas, NV. There were eight categories of scholarships and awards sponsored by aviation companies. All but one were administered by the Northrop Rice Foundation. The Dale Hurst Memorial Scholarship was administered by the ATEC Member Services Committee. Following are the winners of the scholarships and awards.

S&K Hand Tool Company Tool Sets To Students

1. Lized Masache, Teterboro School of Aeronautics
2. Brendan Huenergardt, San Joaquin Valley College
3. Quina Wade, Aviation Institute of Maintenance

Wing Aero Products Company Aviation Book Scholarships to Students

1. Victor Udechukwu, Pittsburgh Institute of Aeronautics
2. Abel Almaguer, Aviation Institute of Maintenance
3. Kevin Barkley, Middle Georgia Technical College
4. Shawn Smith, Pittsburgh Institute of Aeronautics
5. James Park, Idaho State University
6. Donald Merriam, Spokane Community College
7. Kan Wallick, Pittsburgh Institute of Aeronautics

AVOTEK Dale Hurst Memorial Scholarship

Reedley College Instructors Bob Takacs, Keith Zielke, and David Richie

Southwest Airlines Boeing Avionics Course To Instructor

Dennis Fisher, Pittsburgh Institute of Aeronautics

FlightSafety International King Air Maintenance Course Scholarship To Instructor

Brian McGlynn, Lane Community College

Rotorcraft Enterprises Start Pac Award To School

Middle Tennessee State University

NIDA Corporation AMT Training System To School

Pittsburgh Institute of Aeronautics

Student of the Year Award

Shawn Smith, Pittsburgh Institute of Aeronautics

For 2009 there will be several additional scholarship and awards including the James Villnave Memorial Scholarship. Information about the 2009 scholarships and awards will go to all ATEC schools. Announcements and bulletin board notices will be sent beginning in September with the new academic year. Also, information sheets and applications can be downloaded from the Northrop Rice Foundation and ATEC web sites, or by email from Ivan D. Livi, ivan.livi@verizon.net and Cathy Landry, CathyL@alphabravo.com



Aviation Technician Education Council

2090 Wexford Court
Harrisburg, PA 17112
Telephone (717) 540-7121
<http://atec-amt.org>

SEPTEMBER 2008

RE: ATEC UPDATE
TO: ALL MEMBERS
FROM: LAURIE JOHNS, PRESIDENT

147 ARAC

The 147 ARAC Report is due to be finalized by the end of 2008. You may find it useful to review the following three reports that were completed over the last 15 years and form the foundation for the current 147 ARAC. Many of the same suggestions made in these historical documents are being considered or repeated in the current 147 ARAC. To view the reports go to www.atec-amt.org and click on 147 ARAC at the left.

- GAO Report
- White-Kroes Document
- Goldsby Report

BOARD APPOINTMENTS

The Board accepted ATEC Vice-President Ray Thompson's resignation since his institution has closed in Dubai and he is currently not employed in aviation.

The Board then appointed Tom Stose to complete Ray Thompson's term until 2010. In other action, the Board appointed Bill Ostheimer from Boeing to the open Industry seat.

Andrew Smith was appointed Chair of the Government Relations Committee. Attached is a Board of Director's listing. This may also be found on the ATEC website.

YOUR INSTITUTIONAL LISTING NEEDS TO BE UPDATED

Please go to www.atec-amt.org. Click on 147 Institutional Members then click on your state.

Review your listing for accuracy. If it needs to be changed, print it out, make changes and fax it to 717-540-7121 by December 5.

WING EXPANDS

John Wing, President of Wing Aero Products, announced Wing's appointment by Jeppesen (*a Boeing Company*) to be Master Distributor of its Training Product line. Wing said the appointment comes after having successfully distributed the Jeppesen product line to its broad customer base throughout the United States for years. Dallas area based Wing Aero is a leading distributor of Flight and Aviation Maintenance Training products and pilot supplies.

For more information, contact John Wing (800) 942-9464, 972-463-6080, www.wingaero.com.

LOOKING FOR MAINTENANCE ARTICLES

Martin Bailey, FAA Acting Repair Station Branch Manager, is looking for maintenance related articles that pertain to GA maintenance topics, for example, how to ensure a maintenance technician is following the process correctly.

Students, instructors or administrators considering an article should contact Mr. Bailey at (202) 267-7404 or email Martin.J.Bailey@faa.gov.

VIDEOS TO DVD'S

A majority of the ATEC instructional videos have been converted into a DVD format and are available through the ATEC Office. The numbering system should be the same with a "D" qualifier after the number to signify the DVD format. **Regular video tapes can still also be purchased.**

To order, go to www.atec-amt.org. Click on Curriculum Resources. Then click on Maintenance Training Video Tape Availability List and Order Form.

NEW SCHOLARSHIP SPONSOR

The Board of the Cliff Ball Wing, OX5 Aviation Pioneers, unanimously decided to be a Scholarship Sponsor for the programs administered by the Northrop Rice Foundation. The CB Wing will conduct fundraising activities and the funds raised will be donated to the NRF to be used to supplement the student and instructor scholarship and award programs. Donated funds will also be used to supplement the James Villnave Scholarship Program that assists recently discharged veterans from the Aviation Branches of the US Armed forces who are preparing to sit for the FAA Airframe & Powerplant certifications.

ATEC WEBSITE

Be sure to check out the updated ATEC website for:

- 2009 Preliminary Conference Agenda (April 19-21 in Orlando)
- Call for Paper Presentations
- Scholarships, awards, grants for faculty and students
- New ARAC information
- New DVD instructional videos for the classroom