



**Aviation Technician Education Council**

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

**FEBRUARY 2001**

**RE: UPDATE**  
**TO: ALL MEMBERS**  
**FROM: VINCE JONES, PRESIDENT**

**INPUT ON 65/147 OPTIMIZATION**

At the ATEC Conference on April 3, Ray Goldsby and Les Vipond will present the latest information on proposed changes to PARTS 65/147. Join us to hear first hand about the changes and voice your opinions.

The purpose of the PART 65/147 Optimization effort is to develop a rule based on today's task requirements – a rule that is easy to understand, and easy to administer.

**Proposed changes to PART 65:**

- Upgrade training for AMT's in certain specialty areas.
- Focus on more complex aircraft.
- Increase the supply of AMT's.
- Allow a military testing process.

**Proposed changes to PART 147:**

- Focus on inspection of aging aircraft.
- Keep AMT training requirements at 1900 hours.
- Focus on Job Task Analysis study results.

Throughout the effort, the general goals and expectations are:

- License will remain a generalist certificate
- Focus on industry standards based skills
- Increasing emphasis on new technologies
- Allow for more CBT and other training technologies

- New inspection processes learning module
- Troubleshooting imbedded in all parts of the curriculum
- Some teaching levels have been reduced
- Increase content on maintenance documentation
- Increase electronics training
- Less emphasis on welding (Level 1)
- Complete engine overhaul will not be required. Emphasis will be placed on maintaining the aircraft

The final report for the PART 65/147 Optimization effort is due in August 2001.

### DME TRAINING IN ORLANDO

The Recurrent Technical Personnel Examiner Standardization (TPES) Seminar will be presented on March 31, 2001 in Orlando, Florida in conjunction with the Aviation Technician Education Council (ATEC) at the Holiday Inn International Drive.

A registration fee of \$75 must be paid prior to attending the seminar (FAA personnel must register; however, they will not be charged). Arrangements for registration and/or paying this fee may be made by mail, fax or telephone. All persons, including FAA, wishing to attend should register at least 30 days prior to the scheduled meeting date. The telephone number is (405) 954-0138, and the fax number is (405) 954-0189. Those who may not be able to access the number may mail their payment to:

Designee Seminar Payback System, AFS-640  
PO Box 25082  
Oklahoma City, OK 73125

### DON'T DELAY

The deadline for hotel reservations at the ATEC conference in Orlando is MARCH 9. In order to receive the \$99 rate in Orlando for up to three days before and three days after the conference, you must respond quickly. Don't be disappointed. Once our room block is gone, the price increases substantially.

Also, the deadline for conference registration is MARCH 19. After that there is a \$50 surcharge for late registration.

### AWARDS

On Tuesday April 3, the Ivan Livi Outstanding AMT Educator award will be presented to James Rhonemus, Clover Park Technical College in Lakewood, Washington.

Additionally, the James Rardon Outstanding Student of the Year award will go to Michael Harris of Everett Community College, Everett, Washington.

Both men will receive an all expense paid trip to Orlando, free lodging and full conference registration. The Student Award is sponsored by the Northrop-Rice Foundation while ATEC sponsors the Outstanding Educator Award.

### BYLAWS CHANGE NOTICE

In accordance with the ATEC Bylaws, the following change to Article X, Section 1, approved by the ATEC Board at its February 3-4 meeting, is provided to members 30 days in advance of the annual conference where a vote will be taken at the annual business meeting on April 3.

The change, which only involves adding clarifying language, is underlined.

ATEC institutional members within an FAA region may create an ATEC Regional organization. Non-institutional ATEC members may be members of one or more of the ATEC regional organizations. ATEC institutional members, who are not located in a FAA region or who are located in a FAA region that does not have an ATEC regional organization, may join the ATEC regional organization geographically closet to their institution. The Bylaws of the regional organization shall be in conformance with the ATEC National Bylaws and will be subject to review and approval by the ATEC Board.

### ATEC WEBSITE

The new ATEC website is up and running. The address is [www.atec-amt.org](http://www.atec-amt.org) with the only change being "org".

Many additional features have been added to the site, and it will be officially unveiled at the ATEC conference on April 1. But it is ready for viewing now at [www.atec-amt.org](http://www.atec-amt.org)!

### PRESENTATIONS ADDED TO ATEC CONFERENCE

On Monday, April 2, the following presentations will be presented at the Orlando conference:

"Meeting the Workforce Needs in Aviation Maintenance", Larry D. Head, Southern Illinois University.

"A Comparison of Licensing Requirements for FAR 65, CAR IV and JAR 66", Ronald D. Sterkenburg/Michael Leasure, Purdue University.

**SPECIAL SUNDAY PRESENTATIONS**

At the ATEC conference on Sunday, April 1, there will be three special presentations on new products and services by exhibitors.

The following sessions will be held in the hotel conference center near the registration area:

<u>TIME</u>	<u>PRESENTATION</u>
3:00-3:40 P.M.	Aircraft Technical Publishers
3:45-4:25 P.M.	AVOTEK
4:30-5:10 P.M.	ASA

**ATEC OFFICE REPORT**

• The 2001 ATEC School Directory is included in this mailing. The revised membership information will soon be incorporated into the ATEC website. Schools that joined after January 15 will not be listed in the Directory but will be included on the website.

- ATEC Membership

<u>February 2000</u>	<u>February 2001</u>
142 Institutional	140 Institutional
8 Individual	6 Individual
16 Associate	16 Associate
<u>11 Life</u>	<u>11 Life</u>
177 TOTAL	173 TOTAL

• ATEC and PAMA are developing their joint conference for late March of 2002 in Indianapolis, IN.

**MEMBER SERVICES**

Attached is a calendar of aviation events for 2001-2002. This same information is provided on the ATEC website.

# ATEC

**AVIATION TECHNICIAN EDUCATION COUNCIL**  
 2090 WEXFORD COURT  
 HARRISBURG, PA 17112  
 717-540-7121, FAX 717-540-7121

**CALENDER OF COMING EVENTS** - REVISED 01-30-01

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>CONTACT</u>
03/16-17/01	NORTHERN CALIF. SYMP.	NEWARK, CA <a href="http://www.pama.org">www.pama.org</a>	
03/21-24/01	WOMEN IN AVIATION CONF.	RENO, NV <a href="http://www.wiai.org">www.wiai.org</a>	
04/1-3/01	ATEC CONFERENCE 2001	ORLANDO, FL	DICK DUMARESQ 717-540-7121
04/8-14/01	SUN 'n FUN	LAKELAND, FL <a href="http://www.sun-n-fun.org">www.sun-n-fun.org</a>	
05/1-3/01	PAMA	LONG BEACH, CA <a href="http://www.pama.org">www.pama.org</a>	
06/15-16/01	CAREER AIRFAIRS	FT. LAUDERDALE, FL <a href="http://www.aviationcareer.net">www.aviationcareer.net</a>	
06/18-24/01	PARIS AIR SHOW	Le BOURGET, FRANCE	
07/25-31/01	EAA FLY-IN	OSHKOSH, WI	920-426-4800
07/27-28/01	CAREER AIRFAIRS	DALLAS/FORT WORTH, TX <a href="http://www.aviationcareer.net">www.aviationcareer.net</a>	
09/18-20/01	NBAA 54 <sup>RD</sup> ANNUAL CONVENTION AND TRADE SHOW	NEW ORLEANS, LA	202-783-9000
09-11-13/01	AEROSPACE NORTH AMERICA	SEATTLE, WA	
03/24-26/02	ATEC CONFERENCE	INDIANAPOLIS, IN	DICK DUMARESQ 717-540-7121 Fax 717-540-7121
03/24-26/02	PAMA CONFERENCE	INDIANAPOLIS, IN <a href="http://www.pam.org">www.pam.org</a>	
07/24-30/02	EAA FLY-IN	OSHKOSH, WI	920-426-4800
10/8-10/02	NBAA 55 <sup>RD</sup> ANNUAL CONVENTION AND TRADE SHOW	ANAHEIM, CA	202-783-9000

**INDUSTRY TRAINING OPPORTUNITIES**

<u>DATE</u>	<u>TRAINING</u>	<u>LOCATION</u>	<u>CONTACT</u>
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VAR. 2001	PISTON ENGINE SERVICE SCHOOL	PENN, COLLEGE OF TECH. <a href="http://WWW.lycoming.textron.com">WWW.lycoming.textron.com</a>	570-327-4775 fax 570-321-5546
03/30,04/2,3, 23,24,25 09/14,17,18	DISASSEMBLY/REASSEMBLY	PENN, COLLEGE OF TECH. <a href="http://WWW.lycoming.textron.com">WWW.lycoming.textron.com</a>	570-327-4775 fax 570-321-5546
VAR. 2001	BELL HELICOPTER "TEXTRON" MAINTENANCE TRAINING COURSE	FORT WORTH, TX <a href="http://WWW.bellhelicopter.textron.com">WWW.bellhelicopter.textron.com</a> Irodiguez@bellhelicopter.textron.com	817-280-5590 fax 817-280-2437
VAR 2001	McCAULEY PROPELLER	DAYTON, OH <a href="http://www.mccauley.textron.com">www.mccauley.textron.com</a>	937-890-5246
VAR 2001	HARTZELL PROPELLER	PICUA, IL www.hartzellprop.com	
VAR 2001	ROLLS-ROYCE Model 250 training	INDIANAPOLIS, IN <a href="http://www.rolls.com">www.rolls.com</a>	317-230-2586 fax 317-230-4444



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**APRIL 2001**

**RE: UPDATE**  
**TO: ATEC MEMBERS**  
**FROM: VINCE JONES, PRESIDENT**

**ATEC CONFERENCE**

The 2001 ATEC Conference was attended by 128 people from 82 AMT schools across the country. There were 26 exhibitors, 30 spouses and 5 speakers.

According to participants, the top three most helpful presentations were:

- Delta's Vision of the New AMT Candidate – Ed Toth
- The Future of Parts 65 and 147 – Les Vipond, FAA
- Just Enough; Just in Time; Anywhere – Dick Wellman, Pratt & Whitney

In the small group breakout sessions, the three highest rated sessions were:

- Distance Learning/On-line Education/CBT
- Student Recruitment
- Marketing the AMT Program and Student Retention (tie)

Check out the ATEC website – [www.atec-amt.org](http://www.atec-amt.org) - for summaries of all seven breakout sessions.

Our next conference will be held in Indianapolis, Indiana, on March 24-26, 2002 in conjunction with the PAMA and NATA trade show. ATEC will hold its usual conference Sunday through Tuesday morning ending with its annual awards luncheon on Tuesday. During the Tuesday luncheon, ATEC and PAMA will hold a joint awards ceremony. Then, after lunch on March 26, the PAMA convention will begin.

### ATEC VISION PAPER

Vince Jones, ATEC President, and the ATEC Board, have been working for several months developing a paper which documents a proposed ATEC vision for solving many of the current problems in our industry. This paper is now complete and is provided on the ATEC web site in both Word and Adobe formats. Please take the time to read the paper and let the Board know via e-mail or letter what parts you like, what parts you don't like, and how you would like to see the concepts presented in the paper changed. Your and your school's input are very much needed and desired. Once finalized and approved, the ATEC vision will be used to work with other aviation maintenance organizations and the government to develop partnerships and activities as defined in the paper.

### ATEC MEMBERSHIP

As of the 2001 Conference the ATEC membership consisted of:

141	Institutional
6	Individual
18	Associate
<u>11</u>	Life
176	TOTAL

### AMT ENROLLMENT SURVEY

Each year ATEC requests three data items from member AMT schools. This information is requested by the FAA and industry to help develop national policy plans for AMT training. The data also has important future funding implications for many institutions.

This past year, this data was requested by USA Today, The Wall Street Journal and a number of local and regional newspapers.

Please complete the current survey, which was sent to you recently, and return it to ATEC as soon as possible. The results for 1998 and 1999 are as follows:

	<u>1998</u>	<u>1999</u>
No. of Schools Responding	143	107
Enrollments	11,699	14,209
Graduates	4,510	3,872
Grads Who Went to Work in Aviation	3,338	3,709



Although we only received data from 107 schools in 1999, 36 fewer schools reporting than in 1998, enrollments had increased by over 2,600 students. While graduates had declined by over 600 students, almost 400 more graduates had elected to work in aviation in 1999 than in 1998.

### **REGULATORY CHANGE UPDATE – PART 65/147 UPDATE**

The FAR PART 65/147 Optimization Project remains on track. Five data gathering meetings have been held thus far, with two more scheduled for June. The program, designed to update both rules since they are so closely aligned, will be completed with a final report submitted to the FAA by the end of September 2001. The “raise the bar” elements of the PART 66 NPRM will be retained, without the complexity, which created controversy within the industry. Changes to PART 147 Appendix B, C, and D will allow the incorporation of complex aircraft and state-of-the-art technology into the curriculum. This should be accomplished without changing the total hours required to complete the program. Recent research works are being used to validate input and proposed changes, these are: the Northwestern University Job Task Analysis and the White-Kroes PART 147 Curriculum Review. Also being considered are new and better means and methods of certifying new AMT Schools, along with acceptable alternative methods of qualification for testing and certification.

### **MEMBER SERVICES**

Check out the ATEC website in May. Included on the site will be a listing of all instructional videos, annual calendar of aviation education events and a brief profile of each ATEC member.

Included in this mailing is a copy of the ATEC Board of Directors listing.

### **ONLINE LIST OF COURSES**

Aerolearn.com is an online knowledge hub offering over 472 free courses for aviation maintenance professionals, sponsored by the business community. The list of courses currently available is arranged by category. Over 10,000 aviation maintenance professionals from over 100 nations are registered users of Aerolearn’s learning community. The curricula are designed to cover a wide range of topics of interest to everyone – technicians, managers, engineers, and executives. Aerolearn’s motto is “Learning from each other – from the shop floor to the top floor.”

You can access courses via the web at [aerolearn.com](http://aerolearn.com) or call (949) 442-8830.

### **ATEC CONFERENCE 2003**

Based on Phil Randall's presentation on the One Hundredth Anniversary of Flight Celebration and the overwhelming vote of members at the conference, the ATEC Board decided to hold its 2003 conference in Charlotte, North Carolina. The conference will be held in conjunction with the Flight Centennial Celebration the second week in May.

### **BYLAW CHANGE**

At the Annual Business Meeting on April 3 in Orlando, the membership approved the following Bylaw change:

#### **Article X – Regional Organization**

Section 1. ATEC institutional members within an FAA region may create an ATEC regional organization. Non-institutional ATEC members may be members of one or more of the ATEC regional organizations. ATEC institutional members, who are not located in a FAA region or who are located in a FAA region that does not have an ATEC regional organization, may join the ATEC regional organization geographically closest to their institution. The Bylaws of the regional organization shall be in conformance with the ATEC National Bylaws and will be subject to review and approval by the ATEC Board.

### **ATEC BOARD COMMITTEES 2001-2001**

The following committee chairs were appointed at the April ATEC teleconference meeting.

**\*Conference Committee**

Hotel, Food, Registration, Coordination – Dick Dumaresq, Rick Weidig

Awards – Len Filmer

Exhibitors – Tom Stose

Papers – Bob Takacs

Speakers – Laurie Johns

**\*Government Relations – Fred Mirgle, Tom Stose**

**\*Instructional Materials – Tom Stose**

**\*Finance – Dick Fessler**

**\*Communications – Chuck Hawes**

**\*Member Services – Ivan Livi**

**\*Industry Relations – Sam Morgan**

**\*Nominations – Fred Dyen, Fred Mirgle**

If you have any questions or suggestions for these committees, please contact that specific board member. All contact numbers are included in the enclosed list of board members.

# Report on the Military AMT Program

**Forward** - Roy Goldsby, Aviation Consultant to DOD and FAA, made a presentation at our Seattle Conference, 2000 on the Military AMT Program. After his presentation, ATEC members expressed questions and concerns. They requested that the ATEC Board review this program and report back to the members. This Report is made in response to that request and answers some of the questions raised by members. If you have any questions that are not answered by this report, please write them down for Les Vipond, FAA after his presentation.

## **What has happened since the Seattle Conference?**

At the February, 2001 ATEC Board Meeting, Raymond Goldsby and Les Vipond, FAA, reviewed and discussed the US Military AMT Program. After that meeting, Mr. Goldsby provided to ATEC Board members his Final Report, dated October 15, 2000, on the "Evaluation of US Military AMT Training and Experience and its Applicability to Civil Qualification and Certification Requirements".

Chuck Hawes, ATEC Board member, was asked by the ATEC Board to make a report to ATEC members at the Orlando conference.

## **What started this project?**

This project was the US DOD/DOL/DOT reaction to a Congressional mandate to improve military retention.

## **What is the Overriding Objective of the Military AMT Program?**

The objective of this program is to build a verification of experience and training process that will meet or exceed all requirements for Part 65 and any future modifications to this rule, and that can be recognized and accepted by the FAA. Under this Program, Military personnel under Part 65 can obtain sign off for:

1. Airframe and Powerplant
2. Airframe only
3. Powerplant only

**When did this project start?** - The project started approximately two years ago.

**Who Participated?** - A development team ("Tiger Team") under the leadership of the US Air Force was formed with representatives from:

1. All Military services
2. Civil Aviation
3. FAA

## **How does someone in the Military get their FAA sign-off?**

**First** They need at least 18 months (A or P only) or 30 months (A&P) of experience.

**Second** Complete the "Qualification Training Plan (QTP)" (form CG-G-EAE-2 10/99).

The QTP is a 137-step process modeled after Part 147 that lists subjects to be accomplished with appropriate sign offs. Subjects with asterisks are mandatory; non-asterisked items/subjects are optional tasks (e.g. wood structure, aircraft covering, aircraft finishes, and reciprocating engines).

- Third** Completed QTP is reviewed by military authorities, and if approved, a “Certificate of Eligibility” is issued to the individual.
- Fourth** Certificate of Eligibility, and a completed FAA form 8610-2 is presented to the local FSDO for signature.
- Fifth** Take written (computerized FAA tests), oral and practical exams (via DME process).
- Sixth** If the exams are passed, the individual receives an FAA license.

**When will this program begin?**

We have been told that it has already been implemented. The first “graduates” may apply at the FSDO office this year.

**Has the Military established 147 Schools?**

No. Although Part 147 is used extensively as a guide, this program is under Part 65.

**Why did the Military Undertake this Project?**

Many reasons are provided in the final report. The reasons that appear to be key are as follows:

1. Help the Military recruit by offering a clear pathway to an FAA A&P license. This is expected to encourage enlistment.
2. Help retention in the Military. It is anticipated that most people will take 6 years and an E-5 rank to complete their QTP, thus extending their enlistment to complete this process.
3. Help supply AMTs to civilian aviation.
4. Simplify and streamline the transition from Military Aviation to Civil Aviation.
5. Stop “friendly FSDO” approval using current process.

**How can I get a copy of the final report dated October 15, 2000?**

Answer: See FAA Human Factors, <http://hfskyway@faa.gov>

**Is the Military now in competition with my 147 school?**

Probably yes, but how much depends on the location of your school, the make-up of your student body, and other factors. The full impact of this project may not be known for several years.

**How does QTP training compare with 147 training?**

This is a Part 65 project that makes extensive use of Part 147, thereby inviting this question and comparison. The objective of both the Military AMT Program and Part 147 schools is to prepare individuals to pass the same FAA exams.

As of October 15, 2000, parts of this program were still under development. However, the following appear to be fair statements about comparisons:

- Both programs are under FAA review and require FAA approval. The FAA has reviewed and approved this project, stating they are satisfied with its training standards, methods and integrity.
- Total hands-on training required under Part 147 is approximately 50%. Total hands on training required under the Military AMT Program is unknown, but probably less due to its use of “Airframe and Powerplant Development Course and Delta Airlines CBT to satisfy many training items/subjects.
- Several required Part 147 subjects are optional or deemed completed by “skill transfer” from other tasks. Examples include reciprocating engines and aircraft finishes.



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**OCTOBER-NOVEMBER 2001**

**RE: UPDATE**  
**TO: ALL MEMBERS**  
**FROM: VINCE JONES, PRESIDENT**

**PART 147 CLARIFICATION**

For many years, schools have been concerned about the different interpretations of PART 147 rules made by FAA regional inspectors. In some parts of the country, PART 147 rules have been interpreted quite progressively, while in other regions, inspectors have narrowly interpreted the regulations. For many schools, the narrow interpretations have caused conflict with the local FAA inspectors, while not allowing schools the creativity needed to meet student needs and contain costs. In addition, the FAA in Washington has been called upon weekly to be the arbiter of countless disputes between schools and inspectors. This process has resulted in a time consuming exercise of dealing with the same issues over and over in various regions.

Les Vipond and several FAA representatives, along with five ATEC Board members, are scheduled to meet on December 6 to clarify inspector interpretations of PART 147. Once agreement is reached on the issues, they will be posted on the FAA website with a hot link from the ATEC website.

Since this will be posted in a question and answer format, we need your help. If you have, or have had, a problem(s) with a PART 147 interpretation, or if you have questions about 147 testing, foreign students, curriculum, etc., send them to ATEC by November 16.

Please send your interpretation questions, with your suggested answers, to ATEC 2090 Wexford Court, Harrisburg, PA 17112. If you would rather, you can fax your questions and suggested answers to: (717) 540-7121 or e-mail them to: [ccdq@aol.com](mailto:ccdq@aol.com).

Your help is critical. We believe this process using web technology will help resolve many of the interpretation problems schools face across the country.

### **ATEC CONFERENCE**

Attached is the 2002 ATEC Conference announcement.

### **NOMINATIONS**

Included in this mailing is the ATEC Board of Directors nomination form for the open board seats in 2002. If you or someone you know would like to run for one of these board seats, please complete the nomination form and mail it to ATEC headquarters. Please return the form by **January 15, 2002**.

The election for officers and board members will be held at the annual conference in Indianapolis, March 24-26.

### **ATEC WEBSITE**

Since the 2001 ATEC Conference, information concerning past, planned and future conferences has been updated on the website. School information has been corrected whenever a school has contacted us concerning errors and the ATEC vision paper has been added to the site together with an alert indication on the home page. Also, a link to Purdue's training resource has been added to the site.

Our vision has been to have a professional site that is valuable to ATEC members. Be sure to visit the site at <http://atec-amt.org>.

### **SEPTEMBER MAILINGS**

You should have received the following information last month.

- The Ivan D. Livi Outstanding AMT Educator Award and Jim Rardon Student of the Year Award Nomination forms were mailed out on September 12, 2001. Award Nomination forms returned to ATEC will be sent to the Awards Committee after the December 7 deadline.
- To update the 2002 ATEC Directory, a survey was also mailed to member schools on September 12, 2001. The closing date is December 7. Please return your form so your school will be listed accurately on the ATEC website and directory.
- A "Call for Papers" was also included in the September 12<sup>th</sup> mailing and will be included in the Fall issue of the ATEC Journal.

### **PARTS 65/147 UPDATE**

The FAR PART 65/147 Optimization Project remains on schedule. Seven data gathering meetings were held across the country. The program, designed to update both rules since they are so closely related, will be completed with a final report submitted to the FAA by the end of October 2001. Changes to PART 147 Appendix B, C, and D will allow the incorporation of complex aircraft and state-of-the art technology into the curriculum. This may be accomplished without changing the total hours required to complete the program. Recent research studies are being used to validate input and proposed changes; these are: The Northwestern University Job Task Analysis and the White-Kroes PART 147 Curriculum Review. Also being considered are new and better means and methods of certifying new AMT Schools, along with acceptable alternative methods of qualification for testing and certification.

### **INSTRUCTIONAL MATERIALS**

196 training videos will soon be listed on ATEC's website.

Seventeen Pratt and Whitney training videos have been added to ATEC's video library.  
(see attached flyer)

NEW ATEC VIDEO TAPES

ATEC 180	Pratt & Whitney	JT8D-200 On Wing borescoping P/N 80175	14:40	\$20.00
ATEC 181	Pratt & Whitney	JT8D-200 On Wing borescoping P/N 80177	18:52	\$20.00
ATEC 182	Pratt & Whitney	JT8D Hot Section P/N 803743	10:00	\$20.00
ATEC 183	Pratt & Whitney	JT9D-7Q Borescope Inspection of Combustion Chamber P/N 793003	12:28	\$20.00
ATEC 184	Pratt & Whitney	JT9D-7R4 Electronic Engine Control for Airbus A310/A300-600 Aircraft P/N 802125	11:00	\$20.00
ATEC 185	Pratt & Whitney	JT9D-7R4 Eddy Current Inspection RT P/N 819066	12:00	\$20.00
ATEC 186	Pratt & Whitney	Inspection and Repair of Titanium Blades and Vanes P/N 779515	16:00	\$20.00
ATEC 187	Pratt & Whitney	Care and Handling of Borescope Equipment P/N 803899	10:20	\$20.00
ATEC 188	Pratt & Whitney	On-Wing Wiring Splicing P/N 808174	21:38	\$20.00
ATEC 189	Pratt & Whitney	Securing External Plumbing P/N 808294	19:00	\$20.00
ATEC 190	Pratt & Whitney	Securing External Plumbing II P/N 808599	11:45	\$20.00
ATEC 191	Pratt & Whitney	JT9D-7R4/A310 Visual Inspection Prior To Cowl Closing P/N 811050	11:48	\$20.00
ATEC 192	Pratt & Whitney	PW 4000 Sectionalization Removal Tape # 1 P/N 809109	52:00	\$20.00
ATEC 193	Pratt & Whitney	PW 4000 Sectionalization Removal Tape # 2 P/N 809109	53:45	\$20.00
ATEC 194	Pratt & Whitney	PW 4000 Sectionalization Removal Tape # 3 P/N 809109	51:00	\$20.00
ATEC 195	Pratt & Whitney	PW 4000 Sectionalization Removal Tape # 4 P/N 809109	45:00	\$20.00
ATEC 196	Pratt & Whitney	PW 4000 Sectionalization Removal Tape # 5 P/N 809109	42:30	\$20.00

To order these new tapes:

FAX PO form with ATEC number(s) listed to (717) 540-7121, or send a check with the specific tape(s) listed to ATEC, 2090 Wexford Court, Harrisburg, PA 17112.

Be sure to include \$6.00 for shipping and handling (unlimited tapes).