



## AVIATION TECHNICIAN EDUCATION COUNCIL

Business Office  
2090 Wexford Court  
Harrisburg, PA 17112  
Telephone (717) 540-7121

March 1991

RE: UPDATE  
TO: All Members  
FROM: Jack Moore, President

### PART 147

All public comments from schools and other organizations on the 147 Notice of Proposed Rulemaking (NPRM) are being reviewed by FAA staff and legal counsel.

It appears right now that the public comments are suggesting only minor modifications in the NPRM. This is considered a good sign since any major changes could cause the FAA to start the regulatory process all over again.

The new 147 Advisory Circular should be completed and published in the Federal Register in the next few weeks.

### IMPLEMENTATION OF PART 147

During the last three years, ATEC has been concerned about how the changes in PART 147 will be implemented by schools and monitored by the FAA. ATEC has made recommendations to the FAA regarding two main points:

1. schools should not go through a complete recertification of the entire school because of the new 147 regs
2. there must be a phase-in period to give schools time to comply with all the 147 changes

With this in mind, ATEC is asking you to complete the enclosed Survey and mail it in the enclosed stamped, self addressed envelope by March 27.

This will then be presented to the FAA to support a phased-in implementation and to make the point that complete school recertification is not necessary.

### ELECTION OF NEW BOARD MEMBERS

Enclosed is a sample election ballot of those people nominated to the ATEC Board. This is just an announcement for your information. The actual ballot will be distributed at the Conference.



## ATEC CONFERENCE

April 10-13, 1991 in Seattle. Be sure to send your registration to ATEC, 2090 Wexford Court, Harrisburg, PA 17112.

## PART 65

Meetings on the revision of PART 65 are being held around the country. It is unclear right now if there will be major changes to the PART. But there will be ample opportunity for all interested parties to debate the issues over the next two years.

ATEC Membership at an all time high - 132 school members.  
Last year's membership was 118 schools.  
Total Membership - school, associate, individual and life is 167.

## AVIONICS TECHNICIAN CERTIFICATION

The AEA is still not in complete agreement on what defines an avionics technician and what training requirements should be specified for them. It was agreed that schools should have a major role in deciding the standards and curriculum for any minimum requirements. ATEC will invite a representative from the AEA to the conference to discuss what ATEC's possible involvement should be.

## AVIATION ACCREDITATION - FOUR YEAR PROGRAMS

The Council on Aviation Accreditation has completed its accreditation manual and it has been sent to COPA. Only four year programs will be evaluated at this point. In addition, the Airway Science program is being revived with \$40 M being made available this year.

## ATEC DISPLAY BOOTH

An ATEC display booth has been purchased and will be used throughout the country at various aviation, professional and trade conferences.

## LONG RANGE PLANNING

ATEC established a long range planning task force to study the future of ATEC regarding finances, professional development and industry association. The task force consists of Charles White, Fairmont State College; Gerald Garvan, Tulsa Vo-Tech; Bob Clifton, Orange Coast Community College; Paul Van Proyen, Southern Illinois University; Dick Fessler, Hallmark Institute and Alice Rice, Rice Aviation.

PAMA-ATEC SURVEY

Some early data is back from the survey of schools completed in the Fall of 1990. A complete report will be presented in the ATEC Journal.

95 schools returned their surveys out of a possible 170.

	<u>1987-88</u>	<u>1988-89</u>	<u>1989-90</u>
Full time Enrollment in A&P Programs	15,567	17,546	19,016
Average Number of Years Program in Existence	27 years A&P 8 years Avionics		
Total Hours of the Curriculum	Average 2061 Range 1900 to 3100 hours		
Number of Graduates from A&P Programs	5,890	6,740	6,988
Graduate Placement	Manufacturing	10%	
	Airline	48%	
	Corporate Flight	3%	
	Fixed Base	6%	
	Repair Station	7%	
	Non aviation employment	5%	
	Continue Education	7%	
	Other	14%	

Sample  
A T E C

NOTE: This is not an official ballot. It is just an announcement of candidates.

ELECTION BALLOT

APRIL 1991

PRESIDENT      *select one*

\_\_\_\_\_ William C. Bottoms - Colorado Aero Tech  
\_\_\_\_\_

VICE PRESIDENT      *select one*

\_\_\_\_\_ Charles W. White - Fairmont State College  
\_\_\_\_\_

CLERK      *select one*

\_\_\_\_\_ R.E.(Chuck) Davey - Wentworth Institute of Technology  
\_\_\_\_\_

EXECUTIVE BOARD-INSTITUTIONAL MEMBER      *select four*

\_\_\_\_\_ S. Brad Banghart - Trinity Aviation Inc.

\_\_\_\_\_ James Dehlin - Northern Michigan University

\_\_\_\_\_ Ronald Ferrara - Middle Tennessee State University

\_\_\_\_\_ Pak Mak - San Jose State University

\_\_\_\_\_ Livio Martin - San Bernardino Valley College

\_\_\_\_\_ John Mattei - Northrup University

\_\_\_\_\_ Alice Rice - Rice Aviation  
\_\_\_\_\_

EXECUTIVE BOARD-ASSOCIATE MEMBER      *select two*

\_\_\_\_\_ James Diffley - Delta Airlines

\_\_\_\_\_ J.W. Lukins - Boeing Commercial Airplane Company  
\_\_\_\_\_



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April 1991

RE: UPDATE  
TO: All Members  
FROM: William Bottoms, President

### ATEC'S GROWTH

ATEC's institutional membership has increased from 88 schools in 1987 to 135 schools in 1991 -- an increase of over 60 percent in four years!

ATEC has also increased its visibility in the aviation community by continuing to meet with organizations such as ATA, GAMA, PAMA, UAA, the Council on Avionics Accreditation and the FAA.

In addition, ATEC has developed a large display booth which will highlight our schools at all major aviation, vocational training and national high school counselor conferences across the country.

### BOEING 747-400

The Boeing 747-400 Computer Based Training software maintenance package (IBM compatible) is available to schools. Schools should write to Mr. James Lukins, Boeing Commercial Airplane Company, Customer Training and Flight Operations, PO Box 3707, MS2T-01, Seattle, WA 98124-2207. In your letter of request, be sure to state why you want the software and how you plan to use it. Please do not write to ATEC for this software.

### ATEC '91 CONFERENCE

The ATEC '91 conference was a huge success for the more than 110 participants. Seattle was sunny. The presentations and tours were first-rate. The Soviet delegation of aviation maintenance officials was extremely interesting. And the Seattle Sheraton was excellent. Many thanks to Mike Potter, Clover Park Vo-Tech and Jim Lukins, Boeing.

If you would like a list of the conference attendees, FAX your request to ATEC (717) 540-7121. Also, if you would like to receive the handouts from the PART 147 and 65 presentation and the Computer Based Instruction presentation, contact ATEC.



## ATEC JOURNAL

Articles are needed for the quarterly ATEC Journal. The editor, Tom Wild, may pay up to \$100 for an article.

In addition, if you have excess equipment that you want to sell or swap, send your announcement to: Tom Wild, ATEC Journal  
Purdue University  
Aviation Technology Department  
West Lafayette, IN 47906

## 147 IMPLEMENTATION STUDY

175 surveys were mailed to assess the impact of PART 147 on schools. 85 were returned.

The results indicated that 40 percent of the schools are currently in compliance with the new 147 regs. A number of schools, however, needed time to include non-destructive testing, ultrasonics and pneumatic turbine engine starters in their curriculum.

As a result of the study, ATEC recommended to the FAA that the FAA

- \* give schools 18 months to come into compliance with the new 147 regs when they come out in early '92 and
- \* that there not be a total recertification of every school but that the school inspector just perform an inspection related to the changes in PART 147.

For a complete copy of the study, contact the ATEC Business Office in Harrisburg.

## ATEC INSTRUCTOR OF THE YEAR

Congratulations to Mr. Roger Carr of LeTourneau University in Longview, Texas, for being chosen the 1991 ATEC outstanding instructor.

ATEC is proud of the job Mr. Carr continues to do for his school, students and the aviation industry.

A special thanks must go to International Aviation Publishers for providing past, current and future winners with a \$500 scholarship for professional development.

## DONATION OF MATERIALS FROM INDUSTRY

Some companies would like to donate aviation equipment to our schools through ATEC in exchange for a tax write-off. ATEC has a tax attorney researching how this can best be done. We will keep you posted.

### LONG RANGE PLANNING

The ATEC planning process is designed so that schools can take a proactive role in what they want the future of ATEC and aviation education to be.

#### Focus Areas:

- \* ATEC - the organization
- \* Industry Relationships
- \* Government Relationships
- \* School Relationships

#### Process:

1. Gather survey data from members on the strengths, gaps, constraints and issues that impact ATEC and aviation education in the four focus areas.
2. Environmental scan -- research external trends, factors and outside organizations to see if anything else needs to be added.
3. Collate this data and develop issue (problem) statements.
4. Have the membership prioritize the issue statements.
5. Executive Board develops goals with timelines (these become solutions to the issues).
6. Develop action plans for the top 2 goals in each focus areas.

Watch for your survey in your June mail!

### JOB TASK ANALYSIS FOR PART 65

Currently, there is no formal plan for the FAA to fund a Job Task Analysis on PART 65. However, the FAA has taken the position that such an analysis is essential to this process. Furthermore, there is understanding at the FAA that the study must be done right to be worthwhile.

### INDUSTRY ADVISORY COMMITTEE

The ATEC Board would like to establish an Industry Advisory Committee to find out how the schools can help industry and how industry can assist us. We will seek participation from all parts of the aviation industry.

Members are requested to recommend industry people to serve on the committee. Send recommendations to: Bill Bottoms, Colorado Aero Tech, 10851 W. 120th Street, Broomfield, CO 80021.

Included in this mailing is a list of the new ATEC Board of Directors and a list of ATEC Committees and their members.

ATEC '92 - MARK YOUR CALENDAR

The 1992 Conference has been set for Salt Lake City, Utah, April 8 - 11.

CAA

The Council on Aviation Accreditation has developed accreditation standards for four year schools. If, at some point, the CAA becomes interested in developing standards for two year schools, they have agreed to solicit ATEC's input.

ATEC BOARD MEETINGS

October 27-28, 1991 - Houston  
February 23-24, 1992 - Nashville

All are invited!



ATEC EXECUTIVE BOARD  
1991-1992

William C. Bottoms, President  
Aviation Technician Education Council  
(Colorado Aero Tech)  
10851 W. 120th Street  
Broomfield, CO 80021  
(303) 466-1714 - 1-800-950-6223  
FAX NO. 303-469-3797

Charles White, Vice President  
Aviation Technician Education Council  
(Mid Atlantic Aviation Training & Education Center)  
Fairmont State College  
Fairmont, WV 26554  
(304) 367-4156/4679  
FAX NO. 304-366-4870

Paul Van Proyen, Secretary/Treasurer  
Aviation Technician Education Council  
(University of Illinois)  
Dept. of Aircraft Maintenance Technology  
Willard Airport  
One Airport Road  
Savoy, IL 61874  
(217) 244-8706  
FAX NO. 217-244-8761

R. E. Davey, Clerk  
Aviation Technician Education Council  
(College of Aeronautics-Wentworth Institute of Technology)  
550 Huntington Avenue  
Boston, MA 02115  
(617) 442-9010, Ext. 277

Gerard L. Blake  
Frederick Community College  
Aviation Maintenance Technology  
7932 Oppossumtown Pike  
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(301) 846-2532  
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Orange Coast Community College  
Airframe and Powerplant  
2701 Fairview Road  
PO Box 5005  
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FAX NO. 714-432-5915

James Dehlin  
Northern Michigan University  
Jacobetti Center, Aviation Dept.  
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Ronald Ferrara  
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Aerospace Dept.  
Box 67  
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Richard Fessler  
Hallmark Institute of Technology  
1130 99th Street  
San Antonio, TX 78214  
(512) 690-9000

Gerald Garvan  
Tulsa Vo-Tech  
Airpark Campus  
1200 W. 36th Street, N.  
Tulsa, OK 74127-1518  
(918) 428-3887  
FAX NO. 918-428-4803

Michael J. Kroes  
Purdue University  
Dept. of Aviation Technology  
Purdue University Airport  
West Lafayette, IN 47907  
(317) 494-9957  
FAX NO. 317-494-2305

Ivan D. Livi  
Pittsburgh Institute of Aeronautics  
PO Box 10897  
Pittsburgh, PA 15236-0897  
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Pak T. Mak  
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Dept. of Aviation  
One Washington Square  
San Jose Int'l. Airport  
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(408) 924-6580  
FAX NO. 408-924-6587

Fred Mirgale  
Embry Riddle Aeronautical University  
Aviation Maintenance Technology  
Daytona Beach, FL 32114  
(904) 239-6766

Alice Rice  
Rice Aviation  
8880 Telephone Road  
Houston, TX 77061  
(713) 644-6616  
FAX NO. 713-645-1866

Thomas A. Stose  
Texas Aero Tech  
6911 Lemmon Avenue  
Dallas, TX 75209-3603  
(214) 358-7295  
FAX NO. 214-350-2674

ASSOCIATE MEMBERS

James Diffley  
Delta Airlines  
230-ATG  
Hartsfield Int'l. Airport  
Atlanta, GA 30320  
(404) 765-3325

J. W. Lukins  
Boeing Comm. Airplane Company  
Customer Training & Flight Oper.  
PO Box 3707, MS2T-01  
Seattle, WA 98124-2207  
(206) 544-5120

## ATEC COMMITTEES

### AWARDS, SCHOLARSHIPS and PUBLIC RELATIONS:

1. Thomas A. Stose, Chairman  
Texas Aero Tech  
(214) 358-7295
2. Jim Brooks  
Lane Community College  
(503) 747-4501, Ext. 2379
3. Bob Clifton  
Orange Coast Community College  
(714) 432-5598
4. Ron Ferrara  
Middle Tennessee State University  
(615) 898-2788
5. Alice Rice  
Rice Aviation  
(713) 644-6616
6. Thomas W. Wild  
Purdue University  
(317) 494-9968

### CONFERENCE COMMITTEE:

1. Gerald Garvan, Chairman  
Tulsa Vo-Tech  
(918) 428-3887
2. Mike Potter  
Clover Park Vo-Tech  
(206) 756-5557
3. George Simonian  
East Coast Aero Tech  
(617) 274-6400
4. Thomas A. Stose  
Texas Aero Tech  
(214) 358-7295
5. Cliff Weisenberg  
Salt Lake Community College  
(801) 355-2527

### FINANCE and PLANNING:

1. Charles White, Chairman  
Fairmont State College  
(304) 367-4156/4679
2. Mark Holzwarth, Ass't. Chairman  
East Coast Aero Tech  
(617) 274-6400
3. Gerard Blake  
Frederick Community College  
(301) 846-2532
4. Bob Clifton  
Orange Coast Community College  
(714) 432-5598

### FINANCE and PLANNING (cont'd.)

5. Jan Coble  
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(307) 632-1090, Ext. 17
6. Ron Ferrara  
Middle Tennessee State University  
(615) 898-2788
7. Gerald Garvan  
Tulsa Vo-Tech  
(918) 428-3887
8. Chuck Hawes  
Michigan Institute of Aeronautics  
(419) 866-5167
9. Pak T. Mak  
San Jose State University  
(408) 924-6580
10. Alice Rice  
Rice Aviation  
(713) 644-6616
11. Jerry Schmehl  
Hibbing Technical College  
(218) 262-6688

### NOMINATIONS and ELECTIONS:

1. Michael Kroes, Chairman  
Purdue University  
(317) 494-9957
2. Gerald Garvan  
Tulsa Vo-Tech  
(918) 428-3887
3. Mark Holzwarth  
East Coast Aero Tech  
(617) 274-6400
4. Pak T. Mak  
San Jose State University  
(408) 924-6580
5. Mike Rice  
Rice Aviation  
(713) 644-6616
6. Charles White  
Fairmont State College  
(304) 367-4156/4679

PUBLICATIONS COMMITTEE:

1. Tom Wild, Chairman  
Purdue University  
(317) 494-9968
2. Terryl Kelley  
Kansas College of Technology  
(913) 825 0275
3. Jim Schmid  
Cincinnati Technical College  
(513) 569-1751

TRAINING MATERIALS and RESOURCES:

1. John Cotter, Chairman  
Southern Illinois University  
(618) 536-3371
2. Lauren Bitikofer  
LeTourneau University  
(214) 753-0231
3. Jim Dehlin  
Northern Michigan University  
(906) 227-2070
4. Dick Fessler  
Hallmark Institute  
(512) 690-9000
5. Gerald Garvan  
Tulsa Vo-Tech  
(918) 428-3887
6. Chuck Hawes  
Michigan Institute of Aeronautics  
(419) 866-5167
7. Pak T. Mak  
San Jose State University  
(408) 924-6580
8. Cliff Marr  
Columbus State Community College  
(614) 878-1038
9. Joe Maxwell  
Spiritus, Inc.  
(714) 647-4040
10. Allen Mickelson  
Thief River Falls Technical College  
(218) 681-5424
11. Jack Moore  
Clayton State College  
(404) 961-3569
12. Cathy Rice  
Rice Aviation  
(713) 644-6616
13. Jim Rice  
Rice Aviation  
(713) 644-6616

TRAINING MATERIALS (cont'd.)

14. Fred Ritchey  
LeTourneau University  
(214) 753-0231
15. George Simonian  
East Coast Aero Tech  
(617) 274-6400
16. Joel Tuttle  
Sierra Academy of Aeronautics  
(415) 568-6100
17. Dick Ulm  
Embry Riddle Aeronautical Univ.  
(904) 239-6766
18. Donald H. Vallerand  
New Hampshire Technical School  
(603) 882-6923
19. Tim VanLoon  
Winona Technical College  
(507) 454-4600



## AVIATION TECHNICIAN EDUCATION COUNCIL

Business Office  
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NOVEMBER 1991

RE: UPDATE  
TO: All Members  
FROM: William Bottoms, President

### ATEC '92 CONFERENCE

The 1992 Conference is set for April 8-11, 1992 in Salt Lake City, Utah.

This year's Conference host is Salt Lake City Community College. The meeting starts with an ice breaker reception on Wednesday evening, April 8. The actual program begins on Thursday morning at 8:30 A.M. at the Red Lion Inn.

Watch for the first announcement around Thanksgiving.

### PART 65

A number of changes are being discussed regarding PART 65. ATEC is involved in the FAA's rulemaking advisory group. The next FAA hearing on PART 65 changes is scheduled for December 4, 1992. Current issues include: What is the industry's definition of avionics? Should repairman privileges be expanded? Should periodic update training be mandatory for technicians? Should a classification system be applied to technicians? Should a rating system be applied to the current A&P certificate dictating a technician be qualified on aircraft type and class? Should technicians be required to keep a record or log to comply with the recent experience requirements set forth in 65.83? Should the duration of the Inspection Authorization be extended to 24 months upon completion of a preapproved training course?

If you have suggestions on PART 65, please send them to ATEC, 2090 Wexford Court, Harrisburg, PA 17112 by November 27, 1991.



## 147 ADVISORY CIRCULAR

AC 147-3 has been released by the FAA. The intent of this AC was to help FAA inspectors set up new AMT schools.

### PART 147

The final economic analysis on the impact of the new 147 regulations has been completed. As a result, the new rule is due to be finalized in March 1992.

### ATEC SURVEY

The 1992 survey of A&P schools will be sent to all schools in early December. Please help us by filling it out and returning the survey promptly.

### COUNCIL ON AVIATION ACCREDITATION (CAA)

The CAA has begun the process of accrediting four year aviation schools. There is no discussion at this point regarding CAA accrediting two year programs. Although, this may happen in the next 3-4 years. ATEC is monitoring this closely and sitting on the CAA advisory group.

### OUTSTANDING INSTRUCTOR

Applications for the 1992 Outstanding Instructor Award have been sent to all schools. They are due back by December 6, 1991.

The award will be presented at the ATEC meeting in Salt Lake City in April 1992. The winner will also receive a \$500 scholarship from IAP.

### NOMINATIONS

There are several openings on the ATEC Board. Please see the attached information.

### ATEC LONG RANGE PLAN

Survey data have been collected from the membership and collated. In step two, the following subcommittees have been created to develop goals and action plans around each of the four major areas.

Schools - Bob Clifton - Tom Stose, Mike Kroes, Gerard Blake  
Organization - Jim Dehlin - Fred Mirgle  
Government Relations - Charlie White - Dr. Pak Mak  
Industry - Bill Bottoms - Gerald Garvan, Ivan Livi

Goals and action plans will be presented for the membership's review at the annual business meeting in Salt Lake City. Thanks to the fifty-eight schools that completed and returned the survey form.

### ATEC JOURNAL

The ATEC Journal will pay up to \$100 for an article.

In addition, if you have excess equipment that you want to sell or swap contact: Tom Wild, ATEC Journal, Purdue University, Aviation Technology Department, West Lafayette, IN 47906.

**A T E C**

**AVIATION TECHNICIAN EDUCATION COUNCIL**

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Dear Fellow ATEC Member,

The Elections and Nominations Committee is soliciting candidates for the following elected positions:

President (a one year term)  
Vice President (a one year term)  
Secretary/Treasurer (a two year term)  
Executive Board (a three year term)  
Executive Board (a three year term)  
Executive Board (a three year term)

If you would like to nominate a person for one of these positions, please complete the attached form and return it to the ATEC office before January 15, 1992.

If you have any questions, please contact one of the members of the nominating committee listed below:

Charles White	(304) 367-4679
Mike Kroes	(317) 494-9957
Jerry Garvin	(918) 428-3887
Mike Rice	(713) 644-6616
Gerald Blake	(301) 694-1281

The election will be held during the annual conference in Salt Lake City.

Sincerely,



Michael J. Kroes, Chair.  
Nominations and Elections Committee

ATEC  
CANDIDATE QUESTIONNAIRE

Name

Position Nominated For

Credentials (FAA License, Education, etc)

Statement

What do you hope to accomplish and/or bring to this position? (limit to 100 words)

**NOTE: PLEASE INCLUDE YOUR PHOTO  
(3X5 black and white)**





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Telephone (717) 540-7121

FAX: (717) 540-7121

- FAX TRANSMISSION -

TO: *Bill Bottoms*  
FROM: *Dick Dunsing*  
SUBJECT: *Update*

DATE: *4/26/91*

# of pages *5*  
(including this one)

COMMENTS: *Please review and respond!*  
\_\_\_\_\_  
\_\_\_\_\_



*Bill's  
Response*

*7 check with  
Bill*

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From : (717)5407121

P03

-2-

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From : (717)5487121

PDS

-4-

Included in this mailing is a list of the new ATEC Board of Directors and a list of ATEC Committees and their members.

ATEC '92 - MARK YOUR CALENDAR

The 1992 Conference has been set for Salt Lake City, Utah, April 8 - 11.

CAA

The Council on Aviation Accreditation has developed accreditation standards for four year schools. If, at some point, the CAA becomes interested in developing standards for two year schools, they have agreed to solicit ATEC's input.

ATEC BOARD MEETINGS

October 27-28, 1991 - Houston  
February 23-24, 1992 - Nashville

All are invited!

*Dick -  
Just a few comments -  
copies of the letters and sample  
signatures are coming by mail.  
Bill*