

Comments: Herein you will find the requirements for your authorization to test for the FAA Airframe and Powerplant (A&P) certificate.

You must be prepared for the interview and possess all required documentation. Authorizations will not be issued if the applicant does not bring all required documentation.

Prior to making an appointment to see an FAA Inspector, please be sure you meet all of the requirements identified in this handout. If you are not a US Citizen or US resident alien, please take particular note of the FAR 65.3 requirement regarding "need".

FAA Frankfurt IFO holds A&P authorization appointments on the first Tuesday of each month. Please call in advance to assure an appointment is available for you. You will be required to pay a \$77.00 fee for each authorization you are issued (i.e., \$77.00 for the Airframe and \$77.00 for the Powerplant and \$77.00 for the General).

All of the FAA testing can be accomplished at computer testing centers world wide, as addressed on the FAA web site at "http://www.faa.gov/mechanics/become/test_requirements/"

Please note the following.

1. FOREIGN APPLICANTS MUST SHOW A NEED FOR THE REQUESTED AUTHORIZATION, AS DESCRIBED BELOW.

2. THE FAA WILL NOT ACCEPT CASH PAYMENTS. (We can only accept credit cards (Visa, Master Card, American Express), checks, money orders and traveler's checks drawn on a US bank in US dollars.)



U.S. DEPARTMENT
OF TRANSPORTATION

**Federal Aviation
Administration**

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AIRFRAME AND POWERPLANT MECHANIC TEST INFORMATION HANDOUT

Dear Applicant:

This is in reference to your request for information regarding eligibility for authorization to take the written, oral and practical examinations for the FAA Airframe and/or Powerplant Mechanic Certificate. Please read and be familiar with Part 65 of the U.S. Federal Aviation Regulations (FARS). To be eligible, you must show documentation that you meet the requirements of FAR 65.77 to an FAA Airworthiness Inspector during a personal interview.

Please note that for a person who is **not a U.S. citizen or resident alien**, FAR 65.3 states: "A person who is neither a U.S. citizen nor a resident alien is issued a certificate under subpart D of this part, outside the United States, only when the Administrator finds that the certificate is **needed** for the operation or continued airworthiness of **U.S.-registered** civil aircraft."

Applicants may make an appointment for interview (interviews are scheduled on the first Tuesday of each month) with the International Field Office to determine if you are eligible to test. Appointments should not be made unless you feel confident that you meet the requirements and have documentation to support the requested certificate(s).

If the requirements are met a written test authorization will be issued. The knowledge test will be administered by a Computer Testing Designee. Once you have successfully passed the knowledge test(s) you will be required to pass an oral and practical exam administered by a Designated Mechanic Examiner. A list of LOCAL designees will be provided by the Frankfurt IFO.

The FAA charges a fee to all applicants--both foreign national and U.S. citizens--for airman certification/approval actions performed outside the United States. The following pages contain information that should answer questions you may have. If you have any further questions concerning this matter please contact this office.

Revised Nov. 2, 2009

AIRFRAME & POWERPLANT CERTIFICATE "INFORMATION"

EXCERPTS FROM PART 65 OF FEDERAL AVIATION REGULATION (FAR)

SUBPARTS A & D

FAR 65.3 - A person who is neither a U.S. citizen nor a resident alien is issued a certificate under D of this part, outside the United States, only when the Administrator finds that the certificate is needed for the operation or continued airworthiness of U.S. registered civil aircraft.

FAR 65.11 (b) - An applicant who meets the requirements of this part is entitled to an appropriate certificate and rating.

FAR 65.19 - An applicant who fails a knowledge, oral or practical test for a certificate or rating, or for an additional rating, under this part, may apply for retesting after 30 days from the date the applicant fails the test: or signed statement from an airman holding the certificate and rating sought by the applicant, certifying that the airman has given the applicant additional instruction in each subjects failed and that the airman considers the applicant ready for retesting.

FAR 65.71 (a) - To be eligible for a mechanic certificate and associated ratings, a person must:

- (1) Be at least 18 years of age;
- (2) Be able to read, write, speak and understand the English language.
- (3) Have passed all of the prescribed tests within a period of 24 months; and

(b) - A certificated mechanic who applies for an additional rating, must meet the requirements of paragraph 65.77 and, within a period of 24 months, pass the tests prescribed by paragraphs 65.75 and 65.79 for additional rating sought.

FAR 65.73 (a) - The following ratings are issued under this subpart:

1. Airframe
2. Powerplant

FAR 65.75 (a) - Each applicant for a mechanic certificate or rating must pass a knowledge test covering the construction and maintenance of aircraft appropriate to the rating he seeks, the regulation in this subpart, and the applicable provisions of Part 43 and 91. The basic principles covering the installation and maintenance of propeller are included in the powerplant test.

(b) - The applicant must pass each section of the test before applying for the skill tests prescribed in paragraph 65.79.

FAR 65.77 - Each applicant for mechanic certificate or rating must present to an FAA airworthiness inspector, either an appropriate graduation certificate or certificate of completion from a certified aviation maintenance technical school or documentary evidence, satisfactory to the administrator.

(a) - At least 18 months of practical experience with the procedures, practices, materials, tools, altering airframes, or powerplants appropriate to the rating sought; or

(b) - At least 30 months of practical experience concurrently performing the duties appropriate to both the airframe and powerplant ratings.

NOTE: All applicants claiming civil and/or military experience, as a basis for qualification, must have their experience evaluated and certified by an FAA airworthiness inspector before taking the required test.

Applicant must provide specific detailed documented evidence related to all work performed on either airframe or powerplant. This applies also for applicants whose military job code (MOS/AFSC) qualify them for only one rating.

ADDITIONAL INFORMATION

(A) If U.S. military experience is used to qualify for Airframes and / or Powerplant ratings, the applicant must present the following documentation to the Frankfurt International Field Office.:

1. If enrolled in the FAA/Military Certification of Performance of Job Tasks program to gain authorization for testing under Title 14, CFR Part 65.77, bring *FAA Certification Performance of Job Tasks* (Form CG-G-EAE-2) and the *Certificate of Eligibility* (CG-G-EAE-4), signed and issued by the FAA-Approved Signature Authority from the technician's branch of service, and carrying the authentic raised embossed seal from the issuing organization.
2. Personnel records indicating length of service active in MOS/AFSC Codes. (DD-214, Air Force Forms 2096/623, Army Form 2-A, etc.).
3. Maintenance Training Records, showing the type of aviation schools the applicant attended and/or a record of on-the-job training.
4. Positive form of identification.
5. A letter from the applicant's executive officer, maintenance officer, or classification officer that certifies the applicant's length of military service, the amount of time the applicant worked in each MOS/AFSC, the make and model of aircraft and/ or engine on which the applicant acquired the practical experience, and where the experience was obtained.
6. NOTE: Please remember that the time spent in training or in an MOS/AFSC for supervision and/or inspection should not be counted toward the 18 or 30 months of practical experience required in FAR 65.77. Only actual hands-on experience is acceptable.
7. Letter from Commanding Officer or Supervisor attesting individual is active in MOS/AFSC. This letter can be combined with the transmittal letter referenced in item (5) above.

(B) **A foreign applicant** is required to meet the following additional requirements:

- (1) Proof that certificate is **needed** for the maintenance and continued airworthiness of **U.S.-registered** aircraft. (Letter from employer and the owner/operator of U.S. - registered aircraft to be maintained. Include aircraft make, model and U.S.-registration)
- (2) Positive identification (such as a passport) with photo, date of birth & signature. Foreign nationals must present personal identification of a type recognized internationally.

(3) A signed and detailed statement of experience from their employer substantiating the specific type of maintenance performed, and the duration and full time status of that employment. Records presented by foreign nationals must be originals and must be verified by appropriate foreign air authority, in writing.

(4) A statement of experience verification obtained from a foreign airworthiness authority of the country in which the experience was gained or from an advisor of the International Civil Aviation Organization that will validate the applicant's experience.

(5) Special attention - Foreign applicants who work full time at an FAA certified repair station may not qualify for airframe or powerplant rating as they are **not needed** to perform their duties at the repair station. (FAR 145.75 (b))

FAR 65.79 - Each applicant for mechanic certificate or rating must pass an oral and a practical test on the rating he seeks. The tests cover the applicant's basic skill in performing practical projects on the subjects covered by the knowledge test for that rating. An applicant for a powerplant rating must show the ability to make satisfactory minor repairs to, and minor alterations of, propellers.

Advisory Circular 187-1D, Flight Standards Service Schedule of Charges Outside the United States, identifies the following fees related to mechanic certification:

(1) Authorizations for knowledge tests - **\$77.00 (each rating)**

(2) Inspector review for all tests, approvals, ratings given by designated examiners and evaluators - **\$77.00**

The fees for item (1) will be collected at the time of applicant interview at Frankfurt IFO and must be paid by a check, credit card or money order drawn on a U.S. bank, and made payable to the Federal Aviation Administration. The fee for item (2) Form will be collected by the designee giving the test.

NOTE: Current FAA Guidance on A&P authorizations is available in FAA Order 8900.1, Volume 5, Chapter 5, Section 3, "Certificate Foreign Applicant Located Outside the U.S. for Part 65 Mechanic Certificate/Ratings". Available at:

"<http://fsims.faa.gov/PICResults.aspx?mode=EBookContents>"

Knowledge test authorizations (FAA Form 8060-7) are issued at the Frankfurt International Field Office, Giessenerstrasse 30, 60435, Frankfurt am Main, Germany. Phone: 069-7535-7700; FAX: 7751.

We are Located in the US Consulate Building. (Enter at the Wetzlarer Strasse Gate 4, and have the guard call the FAA at extension 7700). In addition, you will be required to sign in for a visitor badge and leave a form of ID with the guard (such as your passport), so you might want to make photocopies of your IDs in advance, or have more than one available. Cell phones and laptops and all electronic equipment are also checked in at the security gate and will be returned to you upon leaving.

We hold A&P authorization appointments on the first Tuesday of each month. Please call in advance, as appointments are limited. You will be required to pay a \$77.00 fee for each

authorization you are issued (i.e., \$77.00 for the Airframe and \$77.00 for the Powerplant and \$77.00 for the General).

Computer testing can be accomplished at designated sites world wide, as addressed on the FAA web site at "http://www.faa.gov/mechanics/become/test_requirements/" The current list identifies one test center in Germany, as well as others in Europe.

You will have to make test arrangements directly.

Oral and Practical Tests are provided by FAA Designated Mechanic Examiners (DME). As of the amendment date of this document, there is one DME in Germany:

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EMAIL: bjohnson@atlas-air-service.de

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KNOWLEDGE EXAMINATIONS

The knowledge examinations are multiple choice type in which several possible answers are given. The entire Airframe examination or Powerplant examination must be taken at one sitting. However, the applicant need retake only the section or sections of the examination he failed.

	<u>Computer</u>
PART I General	1 1/2 hours
PART II Airframe (2 sections)	2 hours
PART II Powerplant (2 sections)	2 hours

An applicant for an Airframe or Powerplant mechanic knowledge test is not required to take the General section of the test, if he has:

- (A) A mechanic certificate with the alternate rating;
- (B) A knowledge test report of grade for the alternate rating that shows unexpired passing credit for the General section; oral or practical part of the mechanic rating if he can show he has previously passed it.
- (C) Taken the test for alternate rating but has received the report of grade.
- (D) An applicant is not required to take the General section of the oral.

SKILL EXAMINATIONS

The oral and practical test is given by a Designated Mechanic Examiner (DME). A reasonable fee may be charged. A mutual understanding and agreement of total fee to be charged should be reached before tests are begun. A list of DMEs will be provided, and the applicant will schedule testing directly with the DME of choice.

An applicant for an Airframe and /or Powerplant Certificate should be able to document experience in the majority of the listed subjects for the rating sought, as determined by the interviewing FAA airworthiness inspector for the following: (See Attachment "A")

ATTACHMENT "A" KNOWLEDGE TEST SUBJECT AREAS

I. GENERAL - Airframe and Powerplant

- A. Basic electricity
- B. Aircraft drawing
- C. Weight and balance
- D. Fluid lines and fittings
- E. Materials and procedures
- F. Ground operation and servicing
- G. Cleaning and corrosion control
- H. Mathematics
- I. Maintenance forms and records
- J. Basic physics
- K. Maintenance publication
- L. Mechanic privileges and limitations

IV. POWERPLANT THEORY AND MAINTENANCE

- A. Reciprocating engines
- B. Turbine engines
- C. Engine inspection

II. AIRFRAME STRUCTURE

- A. Wood structures
- B. Aircraft covering
- C. Aircraft finishes
- D. Sheet metal structures
- E. Welding
- F. Assembly and rigging
- G. Airframe Inspection

V. POWERPLANT SYSTEMS & COMPONENTS

- A. Engine instrument systems
- B. Engine fire protection systems
- C. Engine electrical systems
- D. Lubrication systems
- E. Ignition systems
- F. Fuel metering systems
- G. Engine fuel systems
- H. Induction systems
- I. Engine cooling systems
- J. Engine exhaust systems
- K. Propellers

III. AIRFRAME SYSTEMS & COMPONENTS

- A.
- B. Aircraft landing gear systems
- C. Hydraulic and pneumatic power systems
- D. Cabin atmosphere control systems
- E. Aircraft instrument systems
- F. Communication and navigation systems
- G. Aircraft fuel systems
- H. Aircraft electrical systems
- I. Position and warning systems
- J. Ice and rain control systems
- Fire protection systems

SUGGESTED REFERENCE AND STUDY MATERIAL

AP-IA BOOK STORE- <http://AP-IAbooks.com>

The following publications are excellent reference and study materials for preparation to take the written and oral tests for mechanic certification.

<u>Advisory Circulars</u>	<u>Titles</u>
43.13-1B	Acceptable Methods, Techniques and Practices - Aircraft Inspection and Repair
43. 13-2A	Acceptable Methods, Techniques - Aircraft Alterations
65-2D	Airframe and Powerplant Certificate Guide
65-9A	Airframe and Powerplant Mechanics General Handbook
65-11A	Airframe and Powerplant Mechanics Certification Information
65-12A	Airframe and Powerplant Mechanics Powerplant Handbook
65.15A	Airframe and Powerplant Mechanics Airframe Handbook
187-1	Flight Standards Service Schedule of Charges Outside the United States
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FAA-T-8080-10B	Aviation Mechanic - General Question Book
FAA-T-8080-11B	Aviation Mechanic - Powerplant Question Book
FAA-T-8080-12B	Aviation Mechanic - Airframe Question Book

Federal Aviation Regulations and Publications are for sale by the:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Telephone: (202) 512-1800 FAX: (202) 512-2250

The following numbers should help you locate a **Computer Testing Facility** near you:

COMPUTER ASSISTED TESTING SERVICE

001-800-947-4228 or 001-650-259-8550

LASERGRADE

001-800-211-2757 or 001-360-896-9111

SYLVAN PROMETRIC

001-800-359-3278 or 001-800-274-2900

001-612-820-5702 or 001-410-843-4800 x 8890

The DME for this geographic area is:

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The FAA website for information regarding A&P issuance, renewal and frequently asked questions is:

<http://www.faa.gov/mechanics/>

This website also has a link for airmen testing centers worldwide:

http://www.faa.gov/education_research/testing/airmen/media/test_centers.pdf