

CHAPTER 19. CONDUCT A FLIGHT ENGINEER CERTIFICATION, INCLUDING ADDITIONAL CATEGORY/CLASS RATINGS FOR THE FLIGHT ENGINEER CERTIFICATE

SECTION 1. BACKGROUND

1. OBJECTIVE. The objective of this task is to determine whether an applicant meets the requirements for certification as a flight engineer (FE) under Title 14 of the Code of Federal Regulations (14 CFR) part 63, subpart B. Completion of this task results in the issuance of a temporary airman certificate, a notice of disapproval of application, or a letter of discontinuance.

2. GENERAL. An applicant for an FE certificate must meet all applicable requirements of 14 CFR § 63.37.

A. Logbooks/Records. The applicant must present sufficient logbooks and/or reliable records to show that the applicant's total aeronautical experience meets the requirements for the FE certificate. Military records may be used if the aeronautical experience can be determined as meeting the requirements contained in § 63.37.

B. Expired Knowledge Test Report. An applicant who is applying for an FE rating may take the practical test with an expired knowledge test report, provided that within the period ending 24 calendar-months after the month in which the applicant passed the knowledge test, the applicant:

(1) Is employed as a flight crewmember or mechanic by a U.S. air carrier or commercial operator operating either under 14 CFR part 121 or as a commuter air carrier being operated under 14 CFR part 135 (as defined in 14 CFR part 298) and is employed by such a certificate holder at the time of the practical test;

(2) If employed as a flight crewmember, has completed initial training, and, if appropriate, transition or upgrade training;

(3) Meets the recurrent training requirements of the applicable part (e.g., part 121 or 135) or, for mechanics, meets the recency of experience requirements of 14 CFR part 65; or

(4) Participated in a FE or maintenance training program of a U.S. military service and is currently participating in that program.

(5) Examiners shall not accept expired knowledge test reports unless the applicant provides written evidence of continued eligibility in accordance with paragraph 2B. When satisfactory evidence is presented, the examiner shall enter the following statement on the applicant's knowledge test report AC Form 8080-2: "The period of validity of this form has been extended in accordance with the provisions of 14 CFR § 63.35(d)."

C. Authorized Knowledge Test. An air carrier or commercial operator with an approved training program under part 121 may, when authorized by the Administrator, provide as part of that program a knowledge test that it may administer to satisfy the test required for an additional rating under paragraph 2B..

3. CLASS RATINGS.

A. The aircraft class ratings to be placed on flight engineer certificates are:

- Reciprocating engine powered
- Turbopropeller powered
- Turbojet powered

B. To be eligible for an additional aircraft class rating after an FE certificate with a class rating is issued, an applicant must pass the knowledge test that is appropriate to the class of airplane for which an additional rating is sought and:

(1) Pass the practical test for that class of aircraft, or

(2) Satisfactorily complete an FE training program that is appropriate to the additional class rating sought.

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SECTION 2. PROCEDURES

1. PREREQUISITES AND COORDINATION REQUIREMENTS.

A. Prerequisites. This task requires a working knowledge of part 63, subpart B; FAA-S-8081-21, Flight Engineer Practical Test Standard for Reciprocating Engine/Turbopropeller and Turbojet Powered Aircraft; and designation as an FE in the appropriate class of aircraft.

B. Coordination. This task requires coordination with the supervising Flight Standards District Office (FSDO).

2. REFERENCES, FORMS, AND JOB AIDS.

A. References.

- Parts 63, 121, and 135
- FAA-S-8081-21, Flight Engineer Practical Test Standard for Reciprocating Engine/Turbopropeller and Turbojet Powered Aircraft

B. Forms.

- Federal Aviation Administration (FAA) Form 8060-4, Temporary Airman Certificate
- FAA Form 8060-5, Notice of Disapproval of Application
- FAA Form 8400-3, Application for an Airman Certificate and/or Rating

C. Job Aids.

- None

3. PROCEDURES.

A. Schedule Appointment. Advise the applicant to bring the following documents and records to the appointment:

(1) FAA Form 8400-3, completed in ink or typewritten.

(2) An airman certificate, if appropriate.

(3) A current third-class medical certificate for initial application.

(4) An appropriate knowledge test report.

(5) An FAA-approved pilot school graduation certificate, if applicable.

(6) A personal logbook or other records substantiating the flight experience shown on the application form.

(7) The aircraft maintenance records.

(8) The aircraft airworthiness certificate.

(9) The aircraft registration.

(10) The FCC aircraft station license, if applicable.

(11) An acceptable form of photo identification.

B. Applicant Arrives for Appointment. Collect and review the documents and records listed in paragraphs 3A(1) through (11).

C. Review Application. Verify that the information on the application is presented accurately and completely.

(1) In Section I, ensure that the applicant has checked “Flight Engineer” and the appropriate class rating sought. If the applicant is seeking an additional airplane rating, ensure that the applicant has checked “Additional Rating.”

(2) Ensure that the remainder of the application is completed.

(3) If this is a retest, ensure that the authorized instructor has signed the “Instructor’s Recommendation” section on the reverse side of FAA Form 8400-3.

D. Verify Applicant’s Identity. Inspect acceptable forms of identification to establish the applicant’s identity in accordance with (IAW) the procedures described in chapter 5, section 1, paragraph 20.

(1) Compare the identification with the personal information provided on FAA Form 8400-3.

(2) When the applicant's identity is verified, continue.

(3) If the applicant's identity cannot be verified because of lack of identification or inadequate identification, explain what types of identification are acceptable. Advise the applicant to return with appropriate identification.

(4) If the applicant's identity appears to be different from the information supplied on the application, or it appears that an attempt at falsification has been made, discontinue the task and immediately report the matter to the FSDO.

E. Establish Eligibility. Determine that the applicant meets the specific eligibility, aeronautical knowledge, experience, and skill requirements for certification as an FE (§§ 63.35, 63.37, and 63.39).

(1) If the applicant cannot read, speak, write, or understand English, then the pilot/instructor certification process should be terminated unless the reason is because of a medical disability. If the reason for the applicant not being able to read, speak, write, and understand English is because of a medical disability (meaning a hearing impairment or speech impairment that is medically substantiated by a certified medical physician), then an operating limitation may be placed on the person's pilot/instructor certificate. A medical disability of this kind may require an operating limitation be placed on the person's pilot certificate that prohibits the pilot from operating in airspace that requires the use of communication radios. However, as a matter of clarification, this limitation would not necessarily prohibit a pilot from operating in airspace that requires the use of communication radios if the pilot has received prior authorization from the jurisdictional air traffic facility where the flight is being conducted, and the pilot is able to receive instructions from that air traffic facility via light signals or some other form of electronic means of communication.

(2) Check the application to determine whether the applicant has failed the FE practical test within the past 30 days. If the oral, simulator, and/or flight portions of the test were separate tests, the test completion dates should not exceed a 60-day time period.

(3) If the applicant has an expired knowledge test report, annotate the applicant's knowledge test report

AC Form 8080-2 with the statement "The period of validity of this form has been extended in accordance with the provisions of 14 CFR § 63.35(d)" and ensure he/she is employed as a flight crewmember:

(a) By a certificate holder under part 121 or 135 at the time of the practical test and has satisfactorily accomplished the operator's approved FE aircraft qualification training program that is appropriate to the rating sought; or

(b) In the U.S. military at the time of the practical test and has accomplished the FE aircraft qualification training program that is appropriate to the rating sought.

F. Aircraft Requirements. Review the applicant's aircraft maintenance records, logbooks, airworthiness certificate, and aircraft registration to determine that the aircraft is airworthy and suitable for this practical test. If the aircraft belongs to a U.S. military service, then the applicant must present a letter of authorization from the aircraft unit commander or operations officer authorizing that the practical test be administered in the aircraft. After review, return the documents to the applicant.

G. Discrepancies. If a discrepancy that cannot be immediately corrected exists in any of the documents, return the application and all documents to the applicant. Inform the applicant of the reasons for ineligibility and explain how the applicant may correct the discrepancies. Reschedule the test if requested to do so.

H. Conduct the Practical Test. After determining that the applicant is eligible and meets all prerequisites for the rating sought, accept the application and conduct the practical test IAW FAA-S-8081-21 and chapter 5.

I. Letter of Discontinuance. If the practical test is not completed for reasons other than unsatisfactory performance, issue a letter of discontinuance to the applicant (see chapter 5, section 2, paragraph 3C).

J. Unsatisfactory Performance. If the applicant did not meet the applicable standards for the certificate sought, inform the applicant of the reasons for the unsatisfactory performance.

(1) Prepare FAA Form 8060-5 IAW the guidance in chapter 5, section 1, paragraph 27.

(2) Sign, date, and check the appropriate boxes on the form. Give the applicant a copy of the notice of disapproval and retain the original for the certification file.

(3) Retain FAA Form 8400-3 and return all other submitted documents to the applicant.

K. Satisfactory Performance. When the applicant has satisfactorily met all requirements for the certificate and/or rating sought, prepare FAA Form 8060-4 IAW the guidance in chapter 5, section 1, paragraph 25.

(1) Verify that all information on the certificate is correct. Sign the temporary airman certificate and direct the airman to sign Line VII of the form.

(2) Retain the original for the certification file and give the applicant the copy of the temporary certificate.

L. Complete the Certification File. Complete the certification file IAW the guidance in chapter 5, section 1, paragraph 23.

(1) Ensure the Evaluation Record is completed by either an ASI or examiner and is signed and dated. All applicable items on the Flight Engineer Practical Test Report on the reverse side of the form must be graded either "S" for satisfactory or "U" for unsatisfactory.

(2) Mail the completed certification file to the supervising FSDO no later than 5 days after the completion of the practical test.

(2) Integrated Airman Certification and Rating Application (IACRA) and Airman Certification and Rating Application (ACRA) certification files may be sent directly to the Airmen Certification Branch, AFS-760.

4. TASK OUTCOMES. Completion of this task results in the issuance of a temporary airman certificate, a notice of disapproval of application, a letter of aeronautical competency, or a letter of discontinuance.

5. FUTURE ACTIVITIES. The applicant may return for a practical test for an added class rating.

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