



**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**
National Policy

**CHANGE
8710.3E CHG 1**

Effective Date:
3/28/07

SUBJ: Designated Pilot and Flight Engineer Examiners' Handbook

1. PURPOSE. This change transmits revised pages to Order 8710.3E Chapter 5, Conduct Practical Test/Certification Functions.

2. DISTRIBUTION. We will distribute this order to all addresses on special mailing list ZVS-871; to all regional Flight Standards divisions; to all Flight Standards District Offices and International Field Offices; to the Regulatory Standards Division; to the Designee Standardization Branch of the Regulatory Support Division; and to the Airmen Certification Branch of the Civil Aviation Registry at the Mike Monroney Aeronautical Center. We will also include this order in the Flight Standards Information Management System (FSIMS) application at <http://fsims.avr.faa.gov>.

3. EXPLANATION OF CHANGES. This change updates:

a. The limitation placed on an applicant's pilot certificate in paragraph 7E(2) to match the language in Order 8700.1, Volume 2, Chapter 27, Conduct a Special Medical Test.

b. The reference to the definition of public aircraft in paragraph 7F to reflect the redesignation of paragraph numbering in Title 49 of the United States Code (49 U.S.C.) section 40102(a) by Public Law 108-176.

c. The date of birth of the sample applicant pilot in Figure 5-6, FAA Form 8710-1, Airman Certificate and/or Rating Application.

4. DISPOSITION OF TRANSMITTAL. This transmittal sheet must be retained until it is canceled by a new directive.

PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
5-5	4/21/06	5-5	3/28/07
5-6	4/21/06	5-6	4/21/06
5-31	4/21/06	5-31	3/28/07
5-32	4/21/06	5-32	4/21/06

ORIGINAL SIGNED BY
John M. Allen for

James J. Ballough
Director, Flight Standards Service

Distribution: ZVS-871; A-X(FS)-2 (12 cys ea.); A-FFS-5 (LTD); A-FFS-7 (12 cys ea.)
AMA-200 (12 cys); AFS-640 (12 cys); AFS-760 (12 cys)

Initiated By: AFS-800

officer or the operations officer of the U.S. military organization having jurisdiction over that aircraft. The letter must state that the applicant is authorized to use the aircraft for a practical test from the FAA and that all maneuvers required for the test are authorized to be conducted in the aircraft.

(2) Without the official, original letter accompanying the application, an examiner must not conduct any part of a practical test involving a U.S. military aircraft/simulator.

(3) A clear understanding of responsibility between the examiner and the U.S. military organization must be maintained so that no question of accident or injury claim liability exists.

B. Military Aircraft with No Civil Counterparts. An area of concern is the administration of an Airline Transport Pilot (ATP) certification practical test in a large U.S. military aircraft for which there is no civil counterpart (for example, F-4, A-10, T-38, and UH-60). Tests may be given in such aircraft even though an aircraft type rating is not concurrently issued. The aircraft must be able to perform all flight maneuvers and all equipment must be functional before flight. Additionally, the aircraft must be properly equipped to accommodate an examiner. If an examiner receives a request for a practical test in a U.S. military aircraft for which there is no civil counterpart, the examiner must coordinate with the supervising FSDO to ensure that all aircraft requirements are met and that the correct limitations for the certificate are determined. There are provisions for practical tests in vintage/surplus U.S. military aircraft under the NDPE/FEER Program.

C. Experimental Aircraft. An applicant may request a practical test in an experimental aircraft. The aircraft may be certificated as amateur-built or for exhibition purposes. An examiner may conduct a practical test in such experimental aircraft provided that all the following conditions are met:

(1) The examiner is willing to conduct the test.

(2) The applicant is not prohibited from accomplishing the required tasks by the operating limitations issued for the experimental aircraft.

(3) If the experimental aircraft is not capable of performing all required tasks, another aircraft of the same category, class, and type, as appropriate, must be provided

for those tasks that cannot be accomplished in the experimental aircraft.

D. Self-Launching Gliders. Aircraft that have been certificated as gliders with self-launching capability cannot be used for a practical test for an airplane category. There are no dual airplane/glider category designations. The examiner can determine the category of an aircraft by examining the aircraft airworthiness certificate or type certificate data sheet (TCDS).

E. Aircraft Limitations. A limitation will be placed on an applicant's pilot certificate if the applicant provides an aircraft that has operating characteristics that preclude it from performing all the tasks required during the practical test (per 14 CFR § 61.45(b)(2)). However, this situation and the kind of aircraft to be used must be specifically identified and approved by the FAA, General Aviation and Commercial Division, AFS-800, at 800 Independence Avenue SW., Washington, DC 20591 (phone: (202) 267-8212) on a case-by-case basis.

(1) For the record, AFS-800 generally disapproves the use of such aircraft, but it may grant approval on a case-by-case basis.

(2) For example, in the past, AFS-800 has approved the Ercoupe 415 series airplanes for use in a practical test. Persons seeking to use an Ercoupe 415 series airplane for a practical test would receive the limitation LIMITED TO ERCOUCPE 415 SERIES WITHOUT RUDDER PEDALS.

F. Public Aircraft. IAW Title 49 of the United States Code (49 U.S.C.) § 40102(a)(41), public aircraft are aircraft owned and operated by a state government, the District of Columbia, or a territory or possession of the United States or a political subdivision of one of those governments, except as provided in 49 U.S.C. § 40125(b). Title 49 U.S.C. § 40125(b) provides, in pertinent part, that an aircraft described in 49 U.S.C. § 40102(a)(41)(A), (B), (C), or (D) does not qualify as a public aircraft under such section when the aircraft is used for commercial purposes or to carry an individual other than a crewmember or a qualified non-crewmember.

(1) Public aircraft that do not hold an FAA airworthiness certificate are not authorized for use in a practical test. A pilot may not use a public aircraft that does not hold an FAA airworthiness certificate for a practical test or for maintaining recency of experience under part 61.

(2) IAW Public Law (PL) 106-424, Sec. 14, Crediting of Law Enforcement Flight Time, if a pilot for a federal, state, county, or municipality law enforcement agency is engaged in a law enforcement flight activity in a public aircraft, the pilot may log that flight time for the purposes of 14 CFR § 61.51(a)(1) and (2). However, IAW PL 103-411 and 49 U.S.C. § 40102, a public aircraft is not authorized to be used for the purposes of receiving pilot training for the furtherance of a certificate, rating, or recency of experience or for conducting a practical test for an airman certificate or rating.

8. AIRCRAFT EQUIPMENT. Except as provided by 14 CFR § 61.45(b)(2), an aircraft furnished for a practical test by an applicant must have the equipment required to accomplish each area of operation on the practical test. The applicant may need to use two or more aircraft to accomplish all of the practical test requirements (for simulated instrument flight, see the additional requirements of 14 CFR § 61.45(e)(2)).

A. Adequate Visibility. The aircraft must have pilot seats with adequate visibility for safe operation and, when the examiner conducts the test from a jumpseat, have cockpit and outside visibility adequate for the examiner to evaluate the applicant's performance.

B. View Limiting Device. During the practical test for an instrument rating or other certificates/ratings requiring a demonstration of instrument proficiency, the applicant must provide equipment, satisfactory to the examiner, which prevents flight by visual reference.

C. Required Controls. An aircraft (other than lighter-than-air) must have engine power and flight controls that are easily reached and operable in a conventional manner by both pilots, as provided by 14 CFR § 61.45(c), unless the examiner determines that the practical test can be conducted safely without them.

D. Aircraft with Single Controls. At the discretion of the examiner, an aircraft furnished by the applicant may have a single set of controls. Tests for the addition of aircraft category, class, or aircraft type ratings to private and commercial pilot certificates may be conducted in single-control aircraft under the provisions of 14 CFR § 61.45(e).

E. Aircraft with Stability Control Augmentation Systems. Some aircraft are equipped with stability and augmentation systems which are designed to operate at all times when the aircraft is in flight. Aircraft equipped with

such devices may be used on practical tests if they are operated IAW the manufacturer's recommendations and the appropriate operating limitations.

9. FLIGHT SIMULATORS, FLIGHT TRAINING DEVICES, AND PERSONAL COMPUTER BASED AVIATION TRAINING DEVICES.

A. All flight simulators and flight training devices used for training or testing during a practical test must be qualified and approved IAW 14 CFR § 61.4(a).

B. A Qualification and Approval of Personal Computer-Based Aviation Training Devices (PCATD) is not authorized to be used for a practical test. A PCATD is only authorized for use for training and IAW AC 61-126, Qualification and Approval of Personal Computer-Based Aviation Training Devices.

10. ENGINE SHUTDOWN ON MULTIENGINE AIRPLANES DURING THE PRACTICAL TEST.

A. Preflight Discussion Item. An examiner who conducts a practical test in a multiengine airplane must discuss methods of simulating engine failure with the applicant during the required preflight briefing. The examiner and the applicant must discuss and follow the aircraft manufacturer's recommended procedures.

B. Feathering Propellers. An appropriately equipped airplane must be provided by the applicant.

(1) The feathering of one propeller must be demonstrated in flight in multiengine airplanes equipped with propellers which can be feathered and unfeathered. However, as is the case for all practical tests, the PTS requires that the applicant bring an aircraft that is "capable of performing all appropriate tasks for the certificate or rating and have no operating limitations that prohibit the performance of those tasks."

(2) If due to environmental considerations the feathering demonstration cannot be safely performed, a letter of discontinuance must be issued.

(3) A propeller that cannot be unfeathered during the practical test must be treated as an emergency.

(4) Feathering and engine shutdown must be performed at altitudes, in areas, and from positions where

FIGURE 5-6. FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION

Airman Certificate and/or Rating Application

I. Application Information <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Private <input type="checkbox"/> Commercial <input type="checkbox"/> Airline Transport <input type="checkbox"/> Instrument <input type="checkbox"/> Additional Rating <input checked="" type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multiengine <input type="checkbox"/> Rotorcraft <input type="checkbox"/> Balloon <input type="checkbox"/> Airship <input type="checkbox"/> Glider <input type="checkbox"/> Powered-Lift <input type="checkbox"/> Flight Instructor _____ Initial _____ Renewal _____ Reinstatement <input type="checkbox"/> Additional Instructor Rating <input type="checkbox"/> Ground Instructor <input type="checkbox"/> Medical Flight Test <input type="checkbox"/> Reexamination <input type="checkbox"/> Reissuance of _____ Certificate <input type="checkbox"/> Other _____																
A. Name (Last, First, Middle) GRAY, MARK ALAN				B. SSN (US Only) 5555555555				C. Date of Birth 12-4-1966			D. Place of Birth WASHINGTON, DC					
E. Address 111 INDEPENDENCE AVE				F. Citizenship Specify <input checked="" type="checkbox"/> USA <input type="checkbox"/> Other				G. Do you read, speak, write, & understand the English language? <input type="checkbox"/> Yes <input type="checkbox"/> No								
City, State, Zip Code WASHINGTON, DC 20591				H. Height 73		I. Weight 211		J. Hair GRAY		K. Eyes BLUE		L. Sex <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female				
M. Do you now hold, or have you ever held an FAA Pilot Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				N. Grade Pilot Certificate				O. Certificate Number			P. Date Issued					
Q. Do you hold a Medical Certificate? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				R. Class of Certificate III				S. Date Issued 12-1-2005			T. Name of Examiner DR. JON MEDICAL					
U. Have you ever been convicted for violation of any Federal or State statutes relating to narcotic drugs, marijuana, or depressant or stimulant drugs or substances? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										V. Date of Final Conviction						
II. Certificate or Rating Applied For on Basis of:																
<input checked="" type="checkbox"/> A. Completion of Required Test	1. Aircraft to be used (if flight test required) CESSNA 152				2a. Total time in this aircraft / SIM / FTD 40 hours				2b. Pilot in command 20 hours							
	<input type="checkbox"/> B. Military Compliance Obtained IN	1. Service				2. Date Rated				3. Rank or Grade and Service Number						
4a. Flown 10 hours PIC in last 12 months in the following Military Aircraft.				4b. US Military PIC & Instrument check in last 12 months (List Aircraft)												
<input type="checkbox"/> C. Graduate of Approved Course	1. Name and Location of Training Agency or Training Center								1a. Certification Number							
	2. Curriculum From Which Graduated								3. Date							
<input type="checkbox"/> D. Holder of Foreign License Issued By	1. Country				2. Grade of License				3. Number							
	4. Ratings															
<input type="checkbox"/> E. Completion of Air Carrier's Approved Training Program	1. Name of Air Carrier				2. Date				3. Which Curriculum <input type="checkbox"/> Initial <input type="checkbox"/> Upgrade <input type="checkbox"/> Transition							
	III RECORD OF PILOT TIME (Do not write in the shaded areas.)															
	Total	Instruction Received	Solo	Pilot in Command (PIC)	Cross Country Instruction Received	Cross Country Solo	Cross Country PIC	Instrument	Night Instruction Received	Night Take-off Landings	Night PIC	Night Take-off/Landing PIC	Number of Flights	Number of Aero-Tows	Number of Ground Launches	Number of Powered Launches
Airplanes	40	20	20	PIC 20 SIC	10	10	PIC 10 SIC	3	5	10	PIC 0 SIC	PIC 0 SIC				
Rotor-craft				PIC SIC			PIC SIC				PIC SIC	PIC SIC				
Powered Lift				PIC SIC			PIC SIC				PIC SIC	PIC SIC				
Gliders																
Lighter Than Air																
Simulator Training Device								5								
PCATD								5								
IV. Have you failed a test for this certificate or rating? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																
V. Applicant's Certification – I certify that all statements and answers provided by me on this application form are complete and true to the best of my knowledge and I agree that they are to be considered as part of the basis for issuance of any FAA certificate to me. I have also read and understand the Privacy Act statement that accompanies this form.																
Signature of Applicant <i>Mark Alan Gray</i>										Date 12-30-2005						

FAA Form 8710-1 (4-00) Supersedes Previous edition

FIGURE 5-6. FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION -- Continued

Instructor's Recommendation			
<small>I have personally instructed the applicant and consider this person ready to take the test.</small>			
Date 12-30-2005	Instructor's Signature (Print Name & Sign) DON CHAMBERLAIN <i>Don Chamberlain</i>	Certificate No. 55555CFI	Certificate Expires 12-31-2006
Air Agency's Recommendation			
The applicant has successfully completed our _____ course, and is recommended for certificate or rating without further _____ test.			
Date	Agency Name and Number	Official Signature	
		Title	
Designated Examiner or Airman Certification Representative Report			
<input type="checkbox"/> Student Pilot Certificate Issued (Copy attached) <input type="checkbox"/> I have personally reviewed this applicant's pilot logbook and/or training record, and certify that the individual meets the pertinent requirements of 14 CFR Part 61 for the certificate or rating sought. <input type="checkbox"/> I have personally reviewed this applicant's graduation certificate, and found it to be appropriate and in order, and have returned the certificate. <input type="checkbox"/> I have personally tested and/or verified this applicant in accordance with pertinent procedures and standards with the result indicated below. <input type="checkbox"/> Approved – Temporary Certificate Issued (Original Attached) <input type="checkbox"/> Disapproved – Disapproval Notices Issued (Original Attached)			
Location of Test (Facility, City, State) AERoclub Easton, MD		Duration of Test	
		Ground 2.5	Simulator/FTD Flight 2.0
Certificate or Rating for Which Tested PRIVATE PILOT – ASEL		Type(s) of Aircraft Used CESSNA 152	Registration No.(s) N16166
Date 12-31-2005	Examiner's Signature (Print Name & Sign) J DON EXAMINER <i>J Don Examiner</i>	Certificate No. 121212	Designation No. EA07-12
			Designation Expires 1-31-2006
Evaluator's Record (Use For ATP Certificate and/or Type Rating)			
	Inspector	Examiner	Signature and Certificate Number
Oral	<input type="checkbox"/>	<input type="checkbox"/>	_____
Approved Simulator/Training Device Check	<input type="checkbox"/>	<input type="checkbox"/>	_____
Aircraft Flight Check	<input type="checkbox"/>	<input type="checkbox"/>	_____
Advanced Qualification Program	<input type="checkbox"/>	<input type="checkbox"/>	_____
Aviation Safety Inspector or Technician Report			
I have personally tested this applicant in accordance with or have otherwise verified that this applicant complies with pertinent procedures, standards, policies, and or necessary requirements with the result indicated below. <input checked="" type="checkbox"/> Approved – Temporary Certificate Issued (Original Attached) <input type="checkbox"/> Disapproved – Disapproval Notice Issued (Original Attached)			
Location of Test (Facility, City, State)		Duration of Test	
		Ground	Simulator/FTD Flight
Certificate or Rating for Which Tested		Type(s) of Aircraft Used	Registration No.(s)
<input type="checkbox"/> Student Pilot Certificate Issued <input type="checkbox"/> Examiner's Recommendation <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Reissue or Exchange of Pilot Certificate <input type="checkbox"/> Special Medical test conducted – report forwarded <input type="checkbox"/> To Aeromedical Certification Branch, AAM-330		<input type="checkbox"/> Certificate or Rating Based on <input type="checkbox"/> Military Competence <input type="checkbox"/> Foreign License <input type="checkbox"/> Approved Course Graduate <input type="checkbox"/> Other Approved FAA Qualification Criteria	<input type="checkbox"/> Flight Instructor <input type="checkbox"/> Renewal <input type="checkbox"/> Reinstatement Instructor Renewal Based on <input type="checkbox"/> Activity <input type="checkbox"/> Training Course <input type="checkbox"/> Test <input type="checkbox"/> Duties and Responsibilities
Training Course (FIRC) Name		Graduation Certificate No.	Date
Date 1-20-2006	Inspector's Signature (Print Name & Sign) JOHN HIGHTOWER <i>John Hightower</i>	Certificate No. 1111111	FAA District Office EA FSDO 7
Attachments:			
<input checked="" type="checkbox"/> Student Pilot Certificate (Copy)	<input checked="" type="checkbox"/> Airman's Identification (ID)	ID: _____	
<input checked="" type="checkbox"/> Knowledge Test Report	____DC DRIVER LICENSE_____	Name: <u>MARK A GRAY</u>	
<input checked="" type="checkbox"/> Temporary Airman Certificate	Form of ID _____	Date of Birth: <u>12-25-1969</u>	
<input type="checkbox"/> Notice of Disapproval	____12666777_____	Certificate Number: <u>12666777</u>	
<input type="checkbox"/> Superseded Airman Certificate	Number _____	E-Mail Address <u>MAG@YAHOO.COM</u>	
	Expiration Date <u>3-30-2009</u>		
	____202- 267-3000_____		
	Telephone Number _____		