#### PROVIDED BY PILOT MEDICAL SOLUTIONS, INC

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### FAA ORDER 8700.1, CHAPTER 27. CONDUCT A SPECIAL MEDICAL TEST

#### **SECTION 1. BACKGROUND**

#### 1. PROGRAM TRACKING AND REPORTING SUBSYSTEM (PTRS) ACTIVITY CODE: 1531

**2. OBJECTIVE.** The objective of this task is to determine if an applicant is eligible for a medical certificate and/or Statement of Demonstrated Ability (SODA) based on the appropriate test. Successful completion of this task results in the issuance or non issuance of a medical certificate and/or a SODA.

#### 3. GENERAL.

- A. General Process. Special medical flight tests, which may lead to the issuance of medical certificates under Title 14 of the Code of Federal Regulations (14 CFR) part 67, section 67.401, are frequently required for applicants who do not meet certain medical standards. These tests are conducted solely by inspectors and may be conducted only on the basis of a letter of authorization (LOA). (See FAA Order 8700.1, figure 27-1.) The LOA for a person who has requested a special medical test must be issued by the Aero medical Certification Division, AAM-300. Concurrence from the regional Flight Surgeon is required before any operating limitations on pilot certificates issued to pilots with physical deficiencies can be removed.
- B. Combined Special Medical Test and Practical Test for Certification and/or Ratings. If requested by the applicant, the special medical test may be given in conjunction with the usual practical tests for a pilot certificate when the applicant meets the flight experience requirements for the pilot certificate sought. At the outset, the inspector should consult the related airman certification chapter in this handbook in addition to this chapter.
- C. Medical Portion Passed. If an applicant fails the certification portion of a combined test but passes the medical portion, any retest may be conducted by an inspector or a designated pilot examiner (DPE).

#### D. Letter of Authorization.

- (1) The LOA for the special medical test contains guidelines and usually a handbook reference to help the inspector determine whether the applicant is able to safely operate an aircraft. When the applicant's abilities are compared to those of the inspector, it is assumed that the inspector's physical attributes are normal. If there is any doubt as to the inspector's qualifications to conduct a particular test, the test should be assigned to another inspector or the problem should be discussed with the medical office personnel authorizing the test. All of the medical flight test items listed on the LOA must be observed and evaluated by the inspector. The inspector may add test items if necessary.
- (2) A special medical test shall be conducted only by an inspector who has a copy of the applicant's LOA for the test. The LOA is normally sent to the jurisdictional Flight Standards District Office (FSDO) where the applicant resides; however, it may be forwarded to another office at the applicant's request. When the special medical test has been passed, the usual certification practical test, if required and if not conducted concurrently, may be conducted by another inspector or a DPE.

- E. Defective Hearing Test. The inspector must note on the report whether the defective hearing test was conducted in an open or a closed cockpit.
- F. Defective Color Vision. Applicants for a medical certificate who have defective color vision may be tested at twilight or at night. The applicant may be evaluated for the ability to see the following:
  - (1) colored lights of other aircraft in the vicinity
  - (2) runway approach lights
  - (3) airport boundary lights
  - (4) taxiway lights
  - (5) red warning lights on television towers, high buildings, stacks, etc.
  - (6) all color signal lights normally used in air traffic control
- G. Aviation Signal Light Test. Night testing may be very important to airmen, since applicants able to identify colors appropriately at night (but not during daylight) may have the night restriction removed from the medical certificates. An applicant who fails the signal light test during daylight hours may repeat the test at night.
- H. Completion of Medical Test. National Transportation Safety Board Safety Recommendation 97.269 committed the FAA to revising chapter 27 to emphasize the conditions under which operating limitations may need to be placed on an airman certificate issued as a result of a medical flight test. This guidance updates section 1, paragraphs 3A and 3H. The following revision to section 2 procedure is urgently needed to further emphasize the ASI's responsibility to ensure that appropriate restrictions are placed on an airman's certificate issued on the basis of a medical flight test. If during any of the special medical tests (with the exception of a signal light test) the inspector determines that the applicant has failed the test, the inspector should terminate the test before it is completed. However, the signal light test must be completed even if the inspector determines during the test that the applicant has failed.
- *I. Operating Limitations.* A pilot certificate issued or reissued after a special medical flight test must bear any limitations the inspector who conducted the test finds necessary for safety. An inspector from the jurisdictional FSDO must have determined that no operational limitations (such as "HAND CONTROLS ONLY") are required to be placed on a pilot certificate before a DPE accepts an application from an airman who has a SODA.
- (1) Operating limitations shall be entered on FAA Form 8060-4 (figure 27-2). If the pilot certificate portion of the test is failed, the operating limitations are placed on FAA Form 8060-5 (figure 27-3) so that, after a retest is passed, an inspector or DPE knows what operational limitations to place on the temporary certificate. These forms are then sent with the application to AFS-760.
- (2) Operating limitations required by physical deficiencies may restrict holders to certain aircraft types, special equipment or control arrangements, or special operating conditions. Examples are as follows:
- (a) "LIMITED TO ERCOUPE 415 SERIES WITHOUT RUDDER PEDALS" for an airman, with an inability to use rudder pedals possibly because of the loss of the lower extremities, who takes the special medical test in an Ercoupe 415 series;
- (b) "LIMITED TO AIRCRAFT WITH ALL CONTROLS BELOW SHOULDER LEVEL" for an airman who is unable to use the upper extremities, possibly because of the loss of an arm;
- (c) "NOT VALID FOR FLIGHTS REQUIRING THE USE OF RADIO" for an airman who is speech or hearing impaired or both; or
- (d) "LIMITED TO RECIPROCATING PISTON, NONREVERSING AIRCRAFT" for an airman who has an arm prosthesis and is unable to use the reverse thrust function of a turbine aircraft.
- (3) Limitations should be as general as possible to eliminate the necessity of additional special medical tests when the pilot desires to fly additional aircraft types for which he or she is physically competent.

- (4) If a pilot is returning to flying after receiving a disabling injury, such as a loss of limb or an injury to a lower extremity, it may be necessary for the pilot to re-demonstrate proficiency for each privilege authorized. Any rating not demonstrated that the inspector determines to be necessary must bear the limitation, "NOT VALID," until such time when competency in that category and class is demonstrated.
- (5) Any operating limitation may be deleted or amended only on the basis of an additional special medical test, or upon qualification by the pilot for an appropriate medical certificate without waiver or exemption.
- (6) If a student pilot is taking a practical test for a pilot certificate and a medical flight test concurrently, the SODA may be issued if the airman satisfactorily demonstrates the appropriate operational ability.
- (7) If a student pilot fails the practical test for a pilot certificate but passes the medical test, the SODA may be issued and the Notice of Disapproval of Application should indicate all appropriate operational limitations for the entire practical test.
- (8) If a student pilot passes both the flight test and the medical test, the inspector must place all appropriate operational limitations on the Temporary Airman Certificate.

#### **SECTION 2. PROCEDURES**

#### 1. PREREQUISITES AND COORDINATION REQUIREMENTS.

- A. Prerequisites. This task requires knowledge of the requirements of 14 CFR part 61 and Federal Aviation Administration (FAA) policies, and qualification as an aviation safety inspector (operations). A qualified aviation safety technician who has unrestricted color vision may administer the signal light test.
- B. Coordination. This task may require coordination with the airworthiness staff, air traffic, and the medical office which issued the authorization.

#### 2. REFERENCES, FORMS, AND JOB AIDS.

- A. References.
  - 14 CFR parts 1, <u>61</u>, 67, and <u>91</u>
  - Letter of authorization (LOA)
  - PTRS Procedures Manual (PPM)

#### B. Forms.

- FAA Form 8060-4, Temporary Airman Certificate (figure 27-2)
- FAA Form 8060-5, Notice of Disapproval of Application (figure 27-3)
- FAA Form 8500-9, Medical Certificate figure 27-7)
- FAA Form 8500-13, Medical Test Report (figure 27-6)
- FAA Form 8500-15, Statement of Demonstrated Ability (figure 27-11)
- FAA Form 8710-1, Airman Certificate and/or Rating Application (figure 27-4)

#### C. Job Aids.

- Signal Light Test Job Aid (figure 27-13)
- Sample letters and figures

#### **3. PROCEDURES.** (Except signal light test)

- A. Applicant Schedules Appointment.
- (1) When the applicant schedules the appointment for a medical test, inquire whether the applicant has the required LOA.
- (a) If the applicant does not have an LOA, advise the applicant that one is required before scheduling the appointment. Instruct the applicant to contact an issuing medical office to obtain an LOA.
- (b) If the applicant has an LOA, ask the applicant for the issue date of the letter. Check the appropriate office files for the following:
  - Verify that the district office has a copy. If there is not a copy of the LOA on file, determine where it was sent. Arrange to have the copy forwarded to the district office.
  - Determine how long the LOA is valid and whether the medical test is scheduled within that time. If the test is not scheduled within the time allotted, call the issuing office for an extension. If an extension cannot be obtained, advise the applicant that the appointment cannot be scheduled at this time.

#### (2) For a flight test:

- (a) Determine the time of day to schedule the test, based on the recommendations in the LOA and the length of the test.
- (b) Determine whether the test will be a combined medical test and practical test for certification and/or ratings.
  - (c) If it is not a combined test, instruct the applicant to bring the following documents to the test:
    - LOA
    - Medical certificate (if applicable)
    - Pilot certificate
    - Aircraft maintenance records
    - Airworthiness certificate
    - Aircraft registration
    - FAA Form 8710-1 (figure 27-4)
- (d) If it is a combined test, see the related chapter in this handbook and determine if any additional items are required. Instruct the applicant to bring all required documents to the appointment.
  - B. PTRS. Open PTRS file.
  - C. Scheduled Appointment. When the applicant arrives for the scheduled appointment, proceed as follows:
    - (1) Collect the airman's documents.
    - (2) Review FAA Form 8710-1 to determine if it is complete and accurate.

- (a) In Part I, the Medical Flight Test box should be checked for a special medical test only. For a combination certification and special medical test, the Medical Flight Test box and the box for the pertinent certificate or rating should be checked.
  - (b) Part I, A through V must be filled out. Box Q should be checked "NO."
  - (c) Part II, A must be completed.
- (d) Part III is optional for a special medical test only. For a combination certification test and special medical test, Part III must be completed.
  - (e) Part IV and V must be completed.
- (f) For a combination certification test and special medical test, the airman must have an instructor's or air agency's recommendation on the reverse of FAA Form 8710-1.
  - (3) Verify the applicant's identity by inspecting acceptable forms of identification.
- (a) If the applicant's identity cannot be verified because of lack of documents or inadequate documents, request that the applicant return with appropriate identification.
- (b) If the applicant's identity appears to be falsified, do not conduct the special medical test. (See volume 2, chapter 182, Conduct a Violation Investigation.)
- (4) If possible, coordinate with the airworthiness staff to review the airworthiness documents and/or inspect the aircraft.
- (a) If the documents are not complete and accurate, and cannot be corrected at the time of the appointment, terminate the appointment and inform the applicant that he or she must reschedule another appointment.
  - (b) Return all documents to the applicant.
- (5) If the test is a combined special medical and practical test for certification, determine the applicant's eligibility by referring to the appropriate chapter in this handbook for the certificate or rating sought.
- (a) If the applicant is not eligible for the practical test, ask the applicant if he or she wants to take only the medical test at this time.
- (b) If the applicant does not want to take only the medical test, return all documents and terminate the appointment.
  - D. Determine Type of Medical Test.
    - (1) Determine from the LOA the type of medical test to be conducted.
- (2) If the test is also a practical test for a certificate or rating, refer to the appropriate chapter in this handbook and combine the medical test with the practical test.
- E. Conduct Medical Test. Determine whether operating limitations/restrictions as provided in section 1, paragraph 3I(1) and (2), applicable to the flight test being conducted, are necessary for safe operation to ensure that the applicant is able to perform the appropriate pilot functions critical to the impairment for the type of medical flight test being conducted, as follows:
- (1) Observe an applicant with a hearing impairment (or who is seeking to have a hearing impairment limitation removed from a certificate) demonstrate the following in an aircraft:
  - (a) the ability to hear radio, voice, and signal communications;

- (b) the ability to understand a normal, conversational voice level with the engine on or off, on the ground or in the air, and with the engine at various power settings (ensure that the applicant is not lipreading by having the applicant respond to questions while looking away from the inspector);
  - (c) the ability to estimate glide by sound in relation to speed; and
  - (d) the ability to recognize an approaching stall by change in sound related to a change in speed.
  - (2) Observe an applicant with a total hearing loss demonstrate the following:
    - (a) recognition of engine power loss or engine failure by a change in vibration and by instrument scan;
    - (b) recognition of approaching stall by aerodynamic buffet and visual cues; and
    - (c) recognition of retractable gear emergencies (if applicable) by observation of gear warning lights.
- (3) Observe an applicant with a deformity or absence of the extremities demonstrate the following in an aircraft:
- (a) The ability to reach and operate effectively all controls which would normally require the use of that extremity (or those extremities); note any unusual body position the applicant may use to compensate for the defect and what effect that position has on the applicant's field of vision.
- (b) The ability to satisfactorily perform emergency procedures relative to flight, such as recovery from stalls, and engine out procedures (multiengine aircraft).
- (c) If the pilot has an arm prosthesis and is being tested in turboprops, the ability to lift the power handles for reversing (including asymmetrical reversing).
- (d) If the pilot has a deformity or absence of an extremity, determine whether the applicant should be restricted to the specific make and model of aircraft in which the medical flight test is accomplished, to a make and model within a series (e.g., Cessna 172), or to aircraft models with special equipment or control arrangements, and/or whether to impose special operating conditions, as necessary.
- (4) Observe an applicant with a visual defect (one eye missing or one eye blind) demonstrate the following in an aircraft:
- (a) The ability to select emergency landing fields at a distance, from high altitude, and preferably over unfamiliar terrain.
- (b) The ability to simulate forced landings in difficult fields; note the manner of approach, rate of descent, and comparative distance at which obstructions (stumps, boulders, ditches, etc.) are recognized.
- (c) The ability to recognize other aircraft (which may be present by prearrangement) approaching at a collision course (particularly aircraft approaching from the far right or far left).
  - (d) The ability to judge distances and to recognize landmarks (compared with the inspector's estimate).
  - (e) The ability to land the aircraft.
- (f) The ability to read aeronautical charts in flight and tune the radio to a predetermined station accurately and rapidly.
  - (g) The ability to read instrument panels (including an overhead panel, if any) quickly and correctly.
- (5) Observe the applicant with a speech defect (one who stutters or who is trying to demonstrate recovery from muteness) demonstrate the ability to converse and be clearly understood in person and on the radio.
  - (6) An applicant with defective color vision must demonstrate certain abilities in an aircraft as follows:

- (a) The ability to read aeronautical charts, including print in various sizes, colors, and typefaces; conventional markings in several colors; and terrain colors at a distance of 16 inches.
- (b) The ability to read aviation instruments, particularly those with colored limitation marks, and colored instrument panel lights, especially marker beacon lights, warning lights, etc.
- (c) The ability to recognize terrain and obstructions; have the applicant select several emergency landing fields, preferably under marginal conditions, and describe the surface (for example, sod, stubble, plowed field, presence of terrain roll or pitch, if any), and also describe how the conclusions were determined. Further, ask the applicant to identify obstructions such as ditches, fences, terraces, low spots, rocks, stumps, and, in particular, any gray, tan, or brown objects in green fields.
  - (d) Observe the applicant's ability to see:
    - Colored lights of other aircraft in the vicinity
    - Runway approach lights
    - Airport boundary lights
    - Taxiway lights
    - Red warning lights on TV towers, high buildings, stacks, etc.
    - Conventional signal lights from the tower
    - All color signal lights normally used in air traffic control
- F. Discontinuance of Test. If the test cannot be completed for any reason, return the application and any documents to the applicant. Reschedule the test if possible. Close out PTRS.
- G. Unsuccessful Performance Medical Test Only. If an applicant's medical test performance is unsatisfactory, advise the applicant of the reasons. For a currently certificated pilot, do not initiate action to revoke his or her pilot certificate. Proceed as follows:
  - (1) Complete FAA Form 8710-1 (figure 27-5).
    - (a) On the reverse side, fill in the Special Medical Test Conducted block.
    - (b) Sign and date the application. Indicate the district office acronym.
  - (2) Prepare FAA Form 8500-13 (figure 27-6). In the Description section, include the following:
    - (a) the applicant's defect;
    - (b) the type of test given;
    - (c) inspector's recommendations;
    - (d) any appropriate alternate procedures deemed necessary by the inspector,
    - (e) any noteworthy physical attributes of the applicant in comparison to those of the inspector,
    - (f) any unusual applicant reactions;
    - (g) marginal or simulated marginal conditions for the test;
    - (h) the applicant's susceptibility to distraction from simultaneous tasks;
    - (i) any necessary operating limitations for the pilot certificate concerned; and
    - (j) a statement of "NO LIMITATIONS" (if applicable).

- (3) Send the SODA, the medical certificate, FAA Form 8500-9 (figure 27-7) if provided by the authorizing medical office, the LOA, and the medical flight test report to the issuing medical office. Send the completed application to AFS-760
  - H. Unsuccessful Performance Combination Test.
    - (1) Complete FAA Form 8710-1 (figure 27-8).
      - (a) On the reverse side under Inspector's Report, check Disapproved Disapproval Notice Issued.
      - (b) On the reverse side, fill in the Special Medical Test Conducted block.
      - (c) Sign and date the application. Indicate the district office acronym.
      - (d) Under the Attachments section, check the Notice of Disapproval box.
    - (2) Prepare FAA Form 8500-13 in the same manner as above (figure 27-6).
    - (3) Prepare FAA Form 8060-5 (figure 27-9) per the instructions in the appropriate chapter of this handbook.
- (4) Send the SODA, the medical certificate, FAA Form 8500-9 (figure 27-7) if provided by the issuing medical office or the Aero medical Certification Division, AAM-300, the LOA, and the medical flight test report to the issuing medical office. Send the completed application and Notice of Disapproval of Application to AFS-760.
- I. Successful Performance Medical Test Only. If an applicant's medical test performance is successful, inform the applicant and proceed as follows:
  - (1) Complete FAA Form 8710-1 (figure 27-10).
    - (a) On the reverse side, fill in the Special Medical Test Conducted block.
    - (b) Sign and date the application. Indicate the district office acronym.
  - (2) Prepare FAA Form 8500-13 (figure 27-6). In the Description section, include the following:
    - (a) the applicant's defect;
    - (b) the type of test given;
    - (c) inspector's recommendations;
    - (d) any appropriate alternate procedures deemed necessary by the inspector;
    - (e) any noteworthy physical attributes of the applicant in comparison to those of the inspector;
    - (f) any unusual applicant reactions;
    - (g) marginal or simulated marginal conditions for the test;
    - (h) the applicant's susceptibility to distraction from simultaneous tasks;
    - (i) any necessary operating limitations for the pilot certificate concerned; and
    - (j) a statement of "NO LIMITATIONS" (if applicable).
  - (3) Prepare FAA Form 8500-15 (figure 27-11).
- (4) Send the medical certificate, FAA Form 8500-9 (figure 27-7) if provided by the issuing medical office or the Aero medical Certification Division, AAM-300, the LOA, the medical flight test report, and the SODA to the issuing medical office. If the applicant successfully completes the test, it is not necessary to send in these documents. In the case of the successful applicant, the inspector may issue the medical certificate and SODA (waiver) to the applicant, and forward the flight test report to AAM-300.

- J. Successful Performance Combination Test.
  - (1) Complete FAA Form 8710-1 (figure 27-12).
    - (a) On the reverse side under Inspector's Report, check Approved Temporary Certificate Issued.
    - (b) On the reverse side, fill in the Special Medical Test Conducted block.
    - (c) Sign and date the application. Indicate the district office acronym.
    - (d) Under the Attachments section, check the Temporary Pilot Certificate box.
  - (2) Prepare FAA Form 8500-13 in the same manner as above (figure 27-6).
- (3) Determine if any operational limitations are required on the certificate, or state NO LIMITATIONS, if applicable.
  - (4) Prepare FAA Form 8060-4 as per the instructions in the related chapter. Include any limitations.
- (5) Issue the medical certificate and SODA if they have been provided by the issuing medical office or the Aero medical Certification Division, AAM-300. Collect any superseded medical certificate, except for a student pilot medical certificate that has endorsements on it.
- (6) Send FAA Form 8500-9 (figure 27-7), the copy of the SODA, if provided by the issuing medical office or the Aero medical Certification Division, AAM-300, the superseded medical certificate, the LOA, and the medical flight test report to the issuing medical office. Send the completed application and copy of the temporary airman certificate to AFS-760.
  - K. PTRS. Complete FAA Form 8000-36 in accordance with the PPM.

#### 4. PROCEDURES FOR SIGNAL LIGHT TEST ONLY.

- A. PTRS. Open PTRS file.
- B. Schedule Appointment. Schedule the appointment, preferably at twilight. Instruct the applicant to bring the LOA and medical certificate to the appointment.
- C. Test Coordination. Have another inspector participate as the light operator by using the light gun at the district office. If another inspector or a light gun is not available, have the control tower operator participate by using the light at the control tower.
- (1) Request the operator of the light to show steadily either a green, red, or white light (selected randomly) for a period of 5 seconds.
- (2) Inform the light operator of the signal that will be used (hand signal, radio, etc.) to indicate when to shine the light.
  - D. Conduct Aviation Signal Light Test. Proceed as follows:
    - (1) Accompany the applicant to an area approximately 1,000 feet from the light operator.
- (a) Instruct the applicant to respond to each light by stating the light color shown within the 5-second interval when the light is displayed.
  - (b) Signal the light operator to begin the procedure.
  - (c) Using the job aid in figure 27-13, record the color displayed and applicant's response.
  - (d) After a 3-minute interval, repeat the procedure until all three colors are shown.

- (2) Accompany the applicant to an area approximately 1,500 feet from the light operator, and repeat the procedures outlined above. Be sure that all three colors have been displayed before completing the test.
- (3) Do not give the applicant any indication of the accuracy of his or her readings during the test. If the applicant does not call each color correctly while the light is being shown, the applicant has failed; however, continue until the test is completed.
- (4) An applicant who fails the signal light test during daylight hours may repeat the test at night. Should the airman pass the signal light test at night, the restriction, "Not valid for flight during daylight hours by color signal control," must be placed on both the replacement medical certificate and the new SODA by Aero medical Certification Division (AAM-300). The airman must have taken the daylight hours test first and failed this test prior to taking the night test. The day test paperwork must be included with the night test paperwork sent to the issuing medical office.
- (5) Should the applicant fail the signal light test during daylight hours and at night, the restriction, "Not valid for flight by color signal control," must be placed on both the replacement medical certificate and the new SODA by Aero medical Certification Division (AAM-300).

#### E. Unsuccessful Performance.

- (1) Prepare FAA Form 8500-13 (figure 27-6). In the Description section, include the following information:
  - (a) the applicant's defect;
  - (b) the type of test given;
  - (c) inspector's recommendations;
  - (d) any appropriate alternate procedures deemed necessary by the inspector;
  - (e) any noteworthy physical attributes of the applicant in comparison with those of the inspector;
  - (f) any unusual applicant reactions;
  - (g) marginal or simulated marginal conditions for the test;
  - (h) the applicant's susceptibility to distraction from simultaneous tasks; and
  - (i) any necessary operating limitations for the pilot certificate concerned.
- (2) Send the superseded medical certificate, a copy of the SODA if provided by the issuing medical office or the Aero medical Certification Division, AAM-300, the LOA, and the medical flight test report to the issuing medical office.

#### F. Successful Performance.

- (1) Prepare FAA Form 8500-13 (figure 27-6) in the same manner as above.
- (2) Issue the medical certificate and SODA if they have been provided by the issuing medical office or the Aero medical Certification Division, AAM-300. Collect any superseded medical certificate, except for a student pilot medical certificate that has endorsements on it.
- (3) Send the superseded medical certificate, a copy of the SODA if provided by the issuing medical office or the Aero medical Certification Division, AAM-300, the LOA, and the medical flight test report to the issuing medical office or the Aero medical Certification Division, AAM-300.
  - G. PTRS. Complete FAA Form 8000-36 in accordance with the PPM.
- **5. TASK OUTCOMES.** Completion of this task results in issuing one or more of the following:
  - A. Medical Certificate.

- B. SODA.
- C. Temporary Airman Certificate.
- D. Notice of Disapproval of Application.

#### 6. FUTURE ACTIVITIES.

- A. Applicant may return for an authorized retest.
- B. Applicant may return for removal of limitations.
- C. Possible enforcement investigation if the airman is involved in an accident, incident, or violation of the regulations or the operating limitations on his or her certificate.

#### FIGURE 27-1 SAMPLE LETTER OF AUTHORIZATION

FAA Letterhead

July 19, 1996

Federal Aviation Administration Supervisor, FSDO-66 International Airport Route 3, Box 51 Lubbock, TX 79401

REF: PI 715854

JOHN SMITH has been authorized to arrange with you for a Signal Light Test, second class. The appropriate test procedure is outlined in Federal Aviation Administration Order 8700.1, General Aviation Operations Inspector's Handbook, chapter 27, section 2, paragraph 3E(6)(a) through (d).

Any other testing that would assist you in determining the applicant's ability is authorized.

A Medical Certificate and Statement of Demonstrated Ability (SODA) are enclosed for issuance to the applicant upon successful completion of the test. In borderline situations, you may elect to return the medical certificate and SODA with your report to this office for further consideration.

Please destroy this authorization if no response is received from the applicant after 6 months from the above date.

Sincerely,

[name of supervisor] Supervisor, Medical Review Section

Enclosures

#### FIGURE 27-2 FAA FORM 8060-4, TEMPORARY AIRMAN CERTIFICATE

THIS CERTIFIES TH	HAT IV.		DE NUM PLACE FT, OK 7:	1213			
DATE OF BIRTH	HEIGHT	WEIGHT	HAIR	EYES	5EX	NATIONALITY	
12-20-60	72 IN.	180	BLACK	BLUE	м	USA	
	ITATIONS ANE SINGLE	E-ENGINE	E LAND			9 Ga	
XII. AIRPL	ANE SINGLE			renone s	MIDDER	PEDALS	
XII. AIRPL	ANE SINGLE	OUPE 415	5 SERIES V			PEDALS O AIRMAN CERTIFICAT	•
XII. AIRPLA  XIII. LIMITI THIS IS Q AN ORIG	ANE SINGLE	DUPE 415	SERIES V	DATE OF SA	PERSEDE	ED AIRMAN CERTIFICAT	
XII. AIRPLA  XIII. LIMITI THIS IS Q AN ORIG	ED TO ERCO	DUPE 415	SERIES V	DATE OF SI	PERSEDE	ED AIRMAN CERTIFICAT	

FIGURE 27-3 FAA FORM 8060-5, NOTICE OF DISAPPROVAL OF APPLICATION

DEPARTMENT OF TRAN	DEPARTMENT OF TRANSPORTATION-PEDERAL AVIATION ADMINISTRATION  NOTICE OF DISAPPROVAL OF APPLICATION			OTE T THIS FORM PPLICATION EXAMINATION		
NAME AND ADDRESS OF APPLICANT JOHN DOE 44 Magnum Place Prescott, OK 71213			CERTIFICATE OR RATING SOUGHT PRIVATE PILOT- AIRPLANE SINGLE-ENGINE LAN			
On the date shown, you fa	iled the examination indicat	ed below:	300			
☑ FLIGHT	☐ ORAL		☐ PRACTICA	AL .		
AIRCRAFT USED (Make a)	nd Model)	FLT. TIME RECORDED IN LOGBOOK				
ERCOUPE 415C		PROT-IN-COMM. OR SOLO 25	INSTRUMENT 2	30		
Maneuvering at critic	OU WILL BE REEXAMINED O ally slow airspeed. E 415 SERIES WITHO					
certificate of rating sought DATE OF EXAMINATION	s applicant and deem his pe		DESK	SNATION OR FICE NO.		
September 20 1996	AES Electronia Forms System		AWP-FSDO-09			

### FIGURE 27-4 FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION

Q USDeo	oriment or	lionsported Administra	on.			-	irm. R	an C	ertifi g App	cate	e and	/or						*
L A	pplicati oditions ight inst	on Information in Aircraft ructor	mation Rating Initia	×	dent Airpiane Renewa aminatio	Single-i	Reinstat		ST Priva Airplane	Multier	ngine Addition		orcraft clor Rati		Glider	- D L	☐ instr ighter-Th ound inst	an-Air
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E. A44	ress (Plea	se See /nsi					1010000		F. National			Specify		0.0	o you re		nd understi	
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FAA Form 8710-1 (7-95) Supersedes Previous Editor

NSN: 0052-00-662-500

## FIGURE 27-5 FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION (REVERSE SIDE) DEPICTING FAILURE OF MEDICAL TEST ONLY

	I have person	Ins maily instructe	structor' d the applic	7.00			ady to tak	the lest.		
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The applicant has successful		JT			10000000000	95-90-99-91-9			77.77	ourse, and is
ecommended for certification									test	
Date	Agency Name	and Number			C	Micial's Signa	dure			
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				ATTORN	ou û					
2000 O VIVO OF SALE			signated	d Exa	miner's	Report				- 3
Student Pilot Certificate I have personally rovier certificate or rating sou	wed this applica ght.	nt's pilot logboo								
	ved this applican f and/or verified ] Approved—Te ] Disapproved—	this applicant is reporary Certif	n accordant licate Issuer	ce with d ( <i>Cap</i> y	pertinant pr y Attached)	ocedures and	id in order distandard	, and have s with the	returned the cert result indicated b	ificate. elow.
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cocator or real (raciny, o	ny, Salley							Ground	Simulator	Flight
Certificate or Rating for Whi	ch Tested				Type(s) of	Aircraft Used			Registration N	o.(s)
Date Examin	or's Signature				Cert	ificate No.	Des	gnation N	o. Designation	Expires
Oral Approved Simulator/Traini Aircraft Flight Check Advanced Qualification Pr I have personally tested the	ogram	] ] ] 1	] ] ]	Examin			Signature	se with non	Frank passadures	Date
policies, and or necessary					- verified this	or time apparea	nt comple	es with per	intern procedures	, stanuarus,
	ed - Temporary				roved - Dis	approval Notic	ce Issued			
Location of Test (Facility, C						190-00-00-0	T		Duration of Test	ă.
Will Rodgers World Air	port Oklahom	n, OK						Ground	Simulator	Flight
		M. (1976)	100		170			1.0		1.5
Certificate or Rating for Whi Private Pilot ASEL (Med		ar)			Type(s) of a ERCOUP	Aircraft Used E 415C			Registration N N99999	0.(8)
Student Pilot Certificate  Examiner's Recommen  ACCEPTED Relational Relational Relational Relational Relational Relational Relational Relational Relational Relational Relational Relational Relational Relational Relation	dation EJECTED ge of Pilot Certifi nducted - report	cate forwarded		r Compo n Licens red Cou Approve ate Issa	etence se arse Gradus ed FAA Qua ued	ita Alfication Criti	insi eria	Instructor Renew Reinstructor Rer Activity Acquair	el App atement Dis newal Based on Tra	approved ining
Training Course (FIRC) Nam	me				Graduation	Certificate N	0.		Date	
Date	Inspector's Si	gnature /	11	die		-7			FAA District O	
09/22/1996		Carl.	4 6	14	11.00				ASW-OKC-	FSDO
Attachments: Student Pilot Certilik Report of Written Ex	camination	Airmen's Oklahoma Fornet ID 123456789 Namber 01/31/1999	Drivers L	200		7		- 0	Notice of Disapp Superseded Pilo Answer Sheet G Answer Sheet G (Foreign Instrum	ot Certificate iraded iraded
AA Form 8710-1 (7-95) Sup		Expiration Date			1 10	FormFlow - 12/19	00		-	052-00-682-6

**FIGURE 27-6** FAA FORM 8500-13, SPECIAL MEDICAL FLIGHT TEST REPORT

NSN: 9052-00-682-5006

	FEDERAL A	ENT OF TRANSPORTAT WATTON ADMINISTRATION AL FLIGHT TEST RE		PAGE OF PAGES DATE REFERENCE NUMBER	•
то:			FROM: OPERATIONS	INSPECTOR.	
NAME OF PERSON TESTED			NAME OF INSPECTOR		
		¥			
			EST REPORT		
DATE		TYPE OF AIRMAN CER	TIFICATE	CLASS OF MEDICAL CERTIFICATE	
TYPE AND MODEL OF AIRC	PAFT EMPLOYED			HP.	
DESCRIPTION ( In a whether or not lenses	hose cases requiring the were worn during that	e mearing of correcting les portion.)	uses, state at the beginnin	ng of the description of each portion of the	lest
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FAA Form 8500-13 (11-88) Formerly FAA Form 1514.

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Limitations					8	
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	of Examinati	on	Б	carniner's S	erial No.	

FAA FORM 8500-9 (7-92) Supersedes Previous Edition

## FIGURE 27-8 FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION (REVERSE SIDE) DEPICTING FAILURE OF COMBINATION TEST

	I have person	Instructor's R ally instructed the applicant a	tecommendations and considered this person i	ready to take the tes		W
Date	Instructor's Signa	ture		Certificate No:	Certificate Expires	evince in
- 27-		Air Agency's	Recommendation	1000	-	
	s successfully completed our r certification or rating without further		-		test.	curse, and i
ecommended for Date	Agency Name an		Official's Signat	ire		
			a sound of the con-	572		
90	. 0		Title			
		Designated E	xaminer's Report			
I have perso	t Certificate Issued (Copy attached maily reviewed this applicant's pilot rating sought,	logbook, and certify that the indiv	idual meets the pertinent requir	ements of FAR 61 for the	ne pilot	
☐ I have perso		Scart in accordance with perliner orary Certificate Issued (Copy At	it procedures and standards with technol)	i have returned the cert in the result indicated be	itcass. dow.	
		sapprovel Notice Issued (Copy Al	(ached)		Duration of Test	_
ocation of Test (	(Facility, City, State)	4/		Ground	Simulator	Flight
Sertificate or Rati	ing for Which Tested		Type(s) of Aircreft Used		Registration No.(a)	() - (i
Date	Examiner's Signature		Certificate No.	Designation No.	Designation Ex	pires
I have perso	qualification Program onelly tasted this applicant in accom	Inspec	tor's Report fed that this applicant comples	with pertinent procedur	es, standards,	
policies, and	or necessary requirements with the Approved - Temporary Certif		pproved - Disapproval Notice Is	sued		
Location of Test	(Facility, City, State)				Duration of Test	- Commen
will R	agers World Air	port Oklah	oma City, OK	Ground	Simulator	Flight 1.5
Private	pilot - ASEL	medical Flight Test	Type(s) of Aircraft Used ERCOUPE	415C	N99999	_
Student Pilo  Examiner's I  ACCEPT  Reissuance  State   Mac	It Certificate issued Recommendation TED X REJECTED or Exchange of Pilot Certificate Sical test conducted - report toward	Sertificate or Ra  Military Com Foreign Lice Approved C	petence nae	Instructor Renew Reinsts Instructor Rer	ol Appro alement Disap newal Based on	
7 to Aeromedi	ical Certification Branch, AAM-130	☐ Certificate le		Acquai	State and the second state of the second state	
Training Course	(FIRC) Name		Graduation Certificate No.		Dute	
9-20	-94 Inspector's Signs	In Q. High	Towers .	100000000000000000000000000000000000000	ASW-DISCO	
Attachmen  Student	1	Airman's Identification (ID)	iver's License	- 1	Answer Sheet Grade	rificate ed ed
		Number 4 - 36-9	MARK WEST		(Foreign Instrument)	

FAA Form 8710-1 (2-49) Supersons Province Safford

NSN: 0052-00-682-5008

#### FIGURE 27-9 FAA FORM 8060-5, NOTICE OF DISAPPROVAL OF APPLICATION

DEPARTMENT OF TRANS	LINITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION NOTICE OF DISAPPROVAL OF APPLICATION			OTE THIS FORM PPLICATION XAMINATION		
NAME AND ADDRESS OF APPLICANT IOHN DOE 14 Magnum Place Prescott, OK 71213			CERTIFICATE OR RATING SOUGHT PRIVATE PILOT- AIRPLANE SINGLE-ENGINE LAN			
On the date shown, you fai	led the examination indicate	d below:	Fig. 150			
☑ FLIGHT	ORAL_		☐ PRACTICA	L		
AIRCRAFT USED (Make an	d Model)	7,447, 4,477	ME RECORDED IN LOGBOOK			
ERCOUPE 415C		OR SOLO 25	INSTRUMENT	30		
Maneuvering at critic	DU WILL BE REEXAMINED C ally slow airspeed.		EDALS.			
I have personally tested this certificate of rating sought.	s applicant and deem his per	formance unsutisfacto	40			
DATE OF EXAMINATION September 20 1996	F EXAMINATION SIGNATURE OF EXAMINER OR INSPECTOR			FIGE NO. FO-09		
FAA Form 8060-5 (4-82)	AFS Electronic Forms System	- JatForm FormFlow - 12/	1998			

#### FIGURE 27-10 FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION (REVERSE SIDE) DEPICTING PASSAGE OF MEDICAL TEST ONLY

	I have per	sonally instructed the applicant	tecommendation and consider this person rea	dy to take the test.		
Date	Instructor's	Signature		Certificate No:	Certificate Exp	ires
	has successfully completed for certification or rating w	OUF	Recommendation	-	c	ourse, and
Date	Agency Na	me and Number	Official's Signa	iture	1001	-
			Title		-	
☐ I have pera certificate o ☐ I have perso	or rating sought.  onally reviewed this applicationally tested and/or vertified  Approved—T	attached) ant's pilot logbook, and certify ant's graduation certificate, and foliation specificate, and foliation specificate in accordance with amporary Certificate Issued (Co	ound it to be appropriate and th pertinent procedures and py Attached)	in order, and have re	turned the certifi	cate.
I continue of To		-Disapproval Notice Issued (Co	py Attached)			
Cocalion of re	est (Facility, City, State)			Ground	Simulator	Flight
Certificate or R	lating for Which Tested		Type(s) of Aircraft Used		Registration N	0.(8)
Date	Examiner's Signature		Certificate No.	Designation No	Designation	Expires
have personal colicies, and or	necessary requirements wi	cordance with or have otherwise th the result indicated below.	or's Report e verified that this applicant of		nt procedures, st	andards,
	Approved—Temporary t (Facility, City, State)	Certificate Issued	proved—Disapproval Notic		uration of Test	
	gers World A	icont all	4,1 44	Ground	Simulator	Flight
Certificate or Re	ating for Which Tested	THE DELLAND	Machy OK Type(s) of Alfcraft Used ERCOURE	4150	Registration No	
Examiner's F  ACCEPT  Reissue or E	t Certificate issued Recommendation FED REJECTED Exchange of Pilot Certificate ical test conducted—report cal Certification Branch, A/		nting Based on upstence rise curse Graduate wed FAA Qualification Criter aued	Instructor Renewal Reinstata	Flight Dappr ment Disagrad on Train	Ground oved
Training Course	(FIRC) Name		Graduation Certificate No		Date	4
9-20-9	nspector's S	More al His	Hower		FAA District Of	
Attachmen  Student F		Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)  Airmans Identification (ID)	er's Liceuse	DA	lotice of Disappro uperseded Pilot on Inswer Sheet Gra Inswer Sheet Gra Foreign Instrume	oval Certificate ided ided

FAA Form 8710-1 (7-85) Supersedes Previous Edition

NSN: 9052-00-682-5006 ★ U.S. GPG: 1995-715-785/8529G

#### FIGURE 27-11 FAA FORM 8500-15, STATEMENT OF DEMONSTRATED ABILITY

	UNITED STATES OF AMERICA EPARTMENT OF TRANSPORTATIO FEDERAL AVIATION ADMINISTRAT	
This	IENT OF DEMONSTRATI form cannot be used in lieu of a med it should be attriched to your medical	lical certifi-
AIRMAN'S NAME	AND ADDRESS	465
JOHN DOE 1320 BAY STI OKLAHOMA	REET CITY, OK 73125	
CLASS OF MEDI CERTIFICATE		SERIAL NO.
AUTHORIZED SECOND		9 6 2 5
LIMITATIONS NONE		
PHYSICAL DEFE DEFECTIVE C	T. 1. T. 1.	0,
BASIS OF ISSUANCE	OPERATIONAL SPECIAL PRACE	SPECIAL FUGHT TEST
FOI	R THE FEDERAL AIR SURGE	ON
DATE 02/25/96	NAME AND TITLE (TO BE TYPE Audie W. Davis, M.D., Mgr Aeromedical Certification Division	57.50 <b>7</b> c
SIGNATURE (TO	BESIGNED IN INK) Gudie W.D	aviù, m. D.

FAA FORM 8600-16 (3-80) USE PREVIOUS EDITION

# FIGURE 27-12 FAA FORM 8710-1, AIRMAN CERTIFICATE AND/OR RATING APPLICATION (REVERSE SIDE) DEPICTING PASSAGE OF COMBINATION TEST

	I have pers	Instructor's Ro	ecommendation and consider this person read	ly to take the test.		
Date	Instructor's S	lignature		Certificate No:	Certificate Exp	pires
	as successfully completed of	our	Recommendation		lest.	course, and is
Date		e and Number	Official's Signal	ture		-orelatii s
	10 11		Title			7
☐ I have perso	it Certificate Issued (Copy a onally reviewed this applica realing sought.		caminer's Report	e pertinent requirer	ments of FAR 61	for the pilot
	nally tested and/or verified Approved—Te	it's graduation certificate, and for this applicant in accordance with emporary Certificate Issued (Co) -Disapproval Notice Issued (Co)	th pertinent procedures and py Attached)			
Location of Te	st (Facility, City, State)		-4		Duration of Test	
				Ground	Simulator	Flight
Certificate or Re	ating for Which Tested		Type(s) of Aircraft Used		Registration h	No.(s)
Date	Examiner's Signature		Certificate No.	Designation No	o. Designation	n Expires
Aircraft Flight C	istor/Training Device Check heck ification Program					
policies, and or		cordance with or have otherwise in the result indicated below.	or's Report e verified that this applicant of opproved—O(sapproval Notion		ent procedures, s	standards,
	(Facility, City, State)				Duration of Test	
will R	logers World	Airport Oklal	noma City, OK	Ground 1. D	Simulator	Flight 1.5
Certificate or Re	eting for Which Tested	( medical )	Type(s) of Aircraft Used  ERCALPE	415C	N9999	
☐ Examiner's F	t Certificate lasued Recommendation 'ED  REJECTED Exchange of Pilot Certificate	☐ Certificate or Ri ☐ Military Con ☐ Foreign Lice	npetence	☐ Instructor ☐ Renewa ☐ Reinstal	i □ App	Ground proved approved
Special med	ical test conducted—report cal Certification Branch, AA	forwarded	oved FAA Qualification Criter ssued		☐ Tra	ining Course
Training Course	(FIRC) Name		Graduation Certificate No		Date	
Date 1-15	-95 Inspector's S	ignature lohn .l.	Hightower		FAA District O	
Attachmen		M. Airmans Identification (ID	river's Licens	<u> </u>	Notice of Disaps Superseded Pito Answer Sheet G Answer Sheet G (Foreign Instrum	t Certificate iraded iraded

FAA Form 8710-1 (7-95) Supersedes Previous Edition

NSN: 0062-00-682-5006 \$2.5, GPG: 1995-715-785/83296

FIGURE 27-13 SIGNAL LIGHT TEST JOB AID

DISTANCE FROM LIGHT	COLOR DISPLAYED	COLOR RESPONSE FROM APPLICANT
1000 FEET	I.	1.
DAY	2.	2.
p) = 10	3.	3.
	I.	1.
NIGHT	2.	2.
-	3.	3.
1500 FEET	1.	1.
DAY	2.	2.
2 4	3.	3.
*	1.	1.
NIGHT	2.	2.
NOT!	3.	3.