

Require. for Inspect. Auth.
Cancelled 65.95-2 00-2T

Federal Aviation Agency



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AIRMEN

EFFECTIVE :

9/30/63

SUBJECT : INSPECTION AUTHORIZATION - APPLICATION PROCEDURES AND EXAMINATION STUDY GUIDE

1. **PURPOSE.** This publication provides information pertinent to obtaining Inspection Authorization, and additionally serves as a study guide for the required written examination.
2. **REFERENCES.** This advisory circular is basically related to section 65.91 of the Federal Aviation Regulations (FAR). The examination study guide portion makes references to many of the Civil Air Regulations, Civil Aeronautics Manuals, Federal Aviation Regulations, and technical publications. Attachment 1 includes a listing of pertinent regulations and study material with appropriate procurement information.
3. **DISTRIBUTION.** This Advisory Circular will be routinely distributed to all persons who have been placed on the mailing list to receive changes to Part 65 of the FAR. Additional copies may be obtained free of charge from:

Federal Aviation Agency
Attention: HQ-438
Washington, D.C. 20553

4. **REGULATORY REQUIREMENTS.** Section 65.91 of the FAR sets forth the requirements for issuance of Inspection Authorization. A summary of the most pertinent requirements as they appear in 65.91 of the FAR is as follows:
 - a. Be a certificated mechanic who has held both an airframe rating and a powerplant rating for at least 3 years before the date he applies .
 - b. Have been actively engaged, for at least the 2-year period before the date he applies, in maintaining aircraft certificated and maintained in accordance with this chapter .

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- c. Have a fixed base of operations at which he can be located in person or by telephone during a normal working week, but it need not be the place where he will exercise his inspection authority.
- d. Have available to him the equipment, facilities, and inspection data necessary to properly inspect airframes, powerplants, propellers, or any related part or appliance.
- e. Pass a written test on his ability to inspect according to safety standards for returning aircraft to service after major repairs and major alterations and periodic and progressive inspection performed under Part 43 of this chapter (Present Part 18).

5. APPLICATION.

Application for Inspection Authorization should be made at an FAA General Aviation District Office, Air Carrier District Office, or an International Field Office. Completion of the application form, examination, and grading for Inspection Authorization usually consumes a minimum of five hours. The applicant should contact the FAA office having jurisdiction over the area in which his fixed base of operation will be located, and make an appointment to take the examination.

An applicant will be required to establish evidence of his recency of experience as a mechanic, present his mechanic certificate, and fill out an application form. He will also be required to indicate a fixed base of operation, which may be a residential or business address.

Upon review of the application and finding it in proper order, the FAA representative will administer the examination required by section 65.91(c)(5) of the FAR. The applicant will be required to provide all the reference data needed for the examination. In so doing, he will supply minimum acceptable evidence of complying with the data requirements of section 65.91(c)(4).

6. EXAMINATION PREPARATION. All the questions on the examination are related to the regulations, procedures, and data approved by the Administrator, and to the inspection and return-to-service functions associated with Inspection Authorization. To prepare for the examination, a person should become very familiar with applicable regulations and data. Attachment 1 contains a listing of the material that an Inspection Authorization applicant should obtain and study. During study, emphasis should be placed on how to use indexes and the general content of the data, the objective being to quickly and accurately locate specific information. However, special emphasis on the study of Part 65 is recommended, as the information pertinent to Inspection Authorization must be retained through memorization (see paragraph 7a below).

7. EXAMINATION PROCEDURES. The examination for Inspection Authorization is composed of three major parts. Each part must be successfully passed before the following part will be administered. Each part is graded immediately upon completion. The minimum passing grade is 70 percent. There is a time limit for each part of the examination. Part I must be completed within 20 minutes. Parts II and III must each be completed within two hours. Some of the questions will be applied to a specific make, model, and serial numbered aircraft. The aircraft will be identified by the FAA official conducting the examination just prior to taking Parts II and III.

Examinees will be required to make reference to regulations, manuals, and technical data during parts of the examination. Attachment 1 identifies the data that should be in the applicant's possession when he takes the Inspection Authorization examination.

If the examination is failed, an FAA Form 666, Notice of Disapproval of Application, will be given to the applicant. He must wait 90 days before reexamination.

- a. Part I of the Examination consists of ten questions concerning the privileges and limitations of Inspection Authorization. The examinee is required to write the answer for each question. Use of manuals, regulations, or other data is not allowed for Part I.

This section of the examination is based entirely on Part 65 of the Federal Aviation Regulations, subparts A and D, with special emphasis on those sections pertaining to Inspection Authorization.

- b. Part II of the Examination deals with inspection and return-to-service functions as applied to major repairs and alterations. It consists of 20 questions. The applicant is required to write the answers after locating the information in the appropriate regulation, manual, airworthiness directive, specification, or other technical data.

The following are typical questions which would be found in Part II:

- (1) What is the center of gravity range of the aircraft assigned to you?

Answer: Refer to the Specification, Type Certificate Data Sheet, or Aircraft Listing for the C.G. information pertinent to the aircraft assigned to you.

- (2) How would you determine the acceptable specification for fabric utilized as a covering for a wing?

Answer: In accordance with CAM 18.30-3(a)(1), which references Table 3-1 of CAM 18. (Answer is found by referring to Table of Contents of CAM 18 under Standard of Performance, "Fabric Covering - Textile Materials" on page VIII.)

- c. Part III of the Examination consists of 20 questions on the inspection and return-to-service procedures pertinent to the conduct of periodic and progressive inspections. The examinee must develop answers to the questions by reference to regulations, manuals, specifications, airworthiness directives, or other pertinent data.

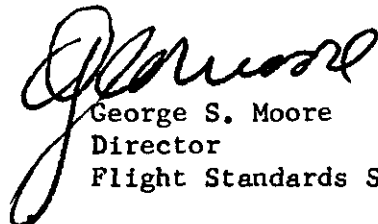
Typical questions found in Part III are as follows:

- (1) List by number all Airworthiness Directives that apply to the aircraft assigned to you.

Answer: Refer to the Airworthiness Directive Summary and biweekly supplement cards and write the list of applicable ADs.

- (2) Where is the approved description of a periodic inspection set forth?

Answer: Pages 104-106 of CAM 18. Answer is found by locating "Periodic and 100-hour Inspection" in the Table of Contents under Standard of Performance on page XVII of CAM 18.


George S. Moore
Director
Flight Standards Service

ATTACHMENT 1. INSPECTION AUTHORIZATION EXAMINATION DATA LISTING

1. FEDERAL AVIATION REGULATIONS (NEW) AND CIVIL AERONAUTICS MANUALS

The present Federal Aviation Agency regulatory system, which embraces the Civil Air Regulations, Special Civil Air Regulations, Civil Aeronautics Manuals, Regulations of the Administrator, etc., is being revised to reflect the consolidation of rulemaking authority effected by the Federal Aviation Act of 1958.

The recodification program is designed to restate the rules and regulatory material by adopting a straight subject matter arrangement of Parts called Federal Aviation Regulations (FARs). An outline of this program is given in the appendix to new Part 1 of the FARs. Recodification is expected to be completed by late 1963.

In the interim, the old regulations and CAMs will remain in effect until superseded by new FARs. On the effective date of each new FAR, the old regulation or CAM will become obsolete.

The FARs will not be sold on subscription. Mailing list service for all changes to the FARs will be furnished free of charge by the FAA on request. An order form for this purpose is included in each new FAR.

The following is a list of Civil Aeronautics Manuals and the new Federal Aviation Regulations which are pertinent to obtaining an Inspection Authorization as of 9/30/63:

CIVIL AERONAUTICS MANUALS

No.	Title	Date	Supple- ments	Price	
				Domestic	Foreign
1	Certification, Identification and Marking of Aircraft and Related Products	12/15/59	5	2.00	2.75
3	Airplane Airworthiness - Normal, Utility, and Acrobatic Categories	5/63	2	1.50	2.00
*18	Maintenance, Repair and Alteration of Airframes, Powerplants, Propellers, and Appliances	12/15/59	3	1.50	2.00

* Civil Aeronautics Manual 18 will appear as Part 43 of the FAR; Effective late 1963 or early 1964.

FEDERAL AVIATION REGULATIONS

FAR Part No.	Title	Effective Date	Price	Changes
1	Definitions and Abbreviations	5/15/62	\$0.25	1
65	Certification: Airmen other than Flight Crewmembers	11/1/62	.20	1
*91	General Operating and Flight Rules	9/30/63	.30	-----

*Supersedes old CAM 43.

2. TECHNICAL DATA

- a. AIRCRAFT SPECIFICATIONS. Basic subscription consists of a set of specifications and type certification data sheets in all weight groups; monthly supplements for approximately one year; the Aircraft Listing; and Index. A renewal subscription, consisting of only the monthly supplements for approximately one year, is available to previous subscribers. Prices: Basic subscription - ~~\$13.00~~; ~~20.00~~ ^{25.00} ~~\$16.75~~ foreign; Renewal subscription \$7.00; ~~\$8.25~~ foreign - Order from Government Printing Office, Washington, D.C. 20402.
- b. AIRCRAFT ENGINE AND PROPELLER SPECIFICATIONS AND TYPE CERTIFICATION DATA SHEETS. Basic subscription consists of sets of engine and propeller specifications; monthly supplements for approximately one year; the Listings; and Indexes. A renewal subscription for monthly supplements is available to previous subscribers. Prices: Basic subscription - \$8.00; \$10.00 foreign; Renewal subscription - \$2.00; \$2.25 foreign - Order from Government Printing Office, Washington, D.C. 20402.
- c. AIRWORTHINESS DIRECTIVES. Part 507 of the Regulations of The Administrator: Basic subscription consists of all Airworthiness Directives issued prior to 1/1/63, and annual supplements. Price: \$4.50; \$5.50 foreign - Order from Government Printing Office, Washington, D.C. 20402.
- d. BIWEEKLY AIRWORTHINESS DIRECTIVE CARDS. Free mailing list service for the cards is available from the FAA on request. Address requests to the Federal Aviation Agency, Attention: HQ-440, Washington, D.C. 20553.

3. ORDERING FARs, CAMs, AND TECHNICAL DATA.

Orders for the CAMs, FARs, and technical data should include remittance by check or money order made payable to the Superintendent of Documents, and should be addressed to:

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

Except where otherwise designated, orders from foreign countries should include an additional amount of about one-fourth the purchase price to cover foreign postage. Remittance should be by International Money Order or by a draft on a U.S. bank.