



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# Advisory Circular

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**Subject:** Certification of a Repairman  
(Experimental Aircraft Builders)

**Date:** 9/28/07  
**Initiated by:** AFS-300

**AC No:** 65-23A  
**Change:** 1

- 1. PURPOSE.** This advisory circular (AC) has been updated to reflect removal of outdated material.
- 2. PRINCIPLE CHANGES.** This change updates and adds other related references.

## PAGE CONTROL CHART

<b>Remove Pages</b>	<b>Dated</b>	<b>Insert Pages</b>	<b>Dated</b>
1 thru 4	07/22/87	1 thru 4	9/28/07

ORIGINAL SIGNED BY

James J. Ballough  
Director, Flight Standards Service

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## 1. PURPOSE.

a. This advisory circular (AC) provides information to builders of experimental aircraft concerning repairman certification.

b. This AC provides an acceptable means of complying with the regulations; however, it is not the only means of compliance. This AC is not mandatory and it does not constitute a regulation. When this AC uses mandatory language (e.g., “must” or “may not”) it is paraphrasing a regulatory requirement or prohibition. When this AC uses permissive language (e.g., “should” or “may”) it describes an acceptable means, but not the only means, of complying with regulations. However, if you use the means described to comply with a regulatory requirement, you must follow it in all respects.

## 2. REGULATIONS AND REFERENCES (current editions).

a. Title 14 of the Code of Federal Regulations (14 CFR) part 21, §§ 21.171, 21.173, 21.175, 21.179, 21.181, 21.191, 21.193, and 21.195.

b. 14 CFR part 43, appendix D.

c. 14 CFR part 65, §§ 65.1, 65.12, 65.13, 65.14, 65.15, 65.16, 65.20, 65.21, and 65.104.

d. 14 CFR part 91.

e. Title 49 of the United States Code (U.S.C.) § 44703.

f. AC 65-24, Certification of a Repairman (General).

g. AC 65-32, Certification of Repairmen (Light-Sport Aircraft).

h. FAA Order 8130.2F, Airworthiness Certification of Aircraft and Related Products.

i. FAA Form 8130-12, Eligibility Statement Amateur-Built Aircraft.

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### 3. BACKGROUND.

a. Previously, experimental airworthiness certificates were affective for one year after the date of issuance or renewal, unless a shorter period was prescribed by the Administrator. Under the provisions of § 21.181(a)(4) experimental certificates issued to aircraft for the purpose of exhibition, air racing, or operating amateur-built aircraft have an unlimited duration unless the Administrator finds that a specific period should be established. Thus, performance of recertification inspections on these aircraft by Federal Aviation Administration (FAA) inspectors is no longer required. However, inspectors will continue to perform original certification inspections of amateur-built aircraft, amateur-built exhibition aircraft, and air racing aircraft.

b. In conjunction with § 21.181(a)(4), § 65.104, Repairman Certificate—Experimental Aircraft Builder—Eligibility, Privileges, and Limitations, is used. This section provides that a qualified builder of an amateur-built aircraft may be certificated as a repairman and would be privileged to perform condition inspections in accordance with part 43, appendix D. However, aircraft manufacturing companies who produce experimental aircraft are not eligible for repairman certificates.

c. When provided by the aircraft operating limitations, exhibition, air racing, and amateur-built aircraft may be inspected (condition inspections) by FAA-certificated mechanics holding an airframe and powerplant rating, or appropriately rated repair stations, in accordance with part 43, appendix D.

4. **ELIGIBILITY.** An individual desiring to be certificated as a repairman is required to:

a. Complete an application for a repairman certificate (experimental aircraft builder) at the time of original certification of the aircraft along with FAA Form 8130-12 attesting to building more than 50 percent of the aircraft, which must be notarized.

b. Be a U.S. citizen, or an individual of a foreign country, who has been admitted for permanent residence in the United States.

c. Be 18 years of age or older and the primary builder of the aircraft. For example, when a school, club, or partnership builds an aircraft, only one individual will be considered for a repairman certificate for each aircraft built, such as the class instructor or designated project leader. This individual is considered the primary builder.

d. Demonstrate to the certificating FAA inspector the ability to perform condition inspections and to determine whether the subject aircraft is in a condition for safe operation.

e. Present satisfactory evidence of building the aircraft such as a construction logbook, pictures, or drawings to be eligible for the certificate.

**NOTE: The eligibility requirements of § 65.104 are in no way associated with the eligibility requirements for a repairman shown in § 65.101, titled “Eligibility Requirements: General.”**

**5. PRIVILEGES AND LIMITATIONS.** Holders of repairman certificates (experimental aircraft builder) may perform “condition inspections” on specific aircraft built by the certificate holder. Consistent with § 65.104(b), the aircraft will be identified by make, model, and serial number as shown on the repairman certificate. During the aircraft certification procedure the FAA issues operating limitations, as necessary per § 91.319, to ensure an adequate level of safety. These limitations may require that the subject aircraft be inspected annually by a repairman (experimental aircraft builder), the holder of an FAA mechanic certificate with appropriate ratings (airframe and powerplant), or an appropriately rated FAA repair station. Condition inspections will be performed in accordance with the scope and detail of part 43, appendix D. Operating limitations will also require that an appropriate entry be made in the aircraft maintenance records to show performance of this inspection.

**NOTE: It should be noted that the privileges and limitations of § 65.104 are not associated with the privileges and limitations of § 65.103, titled “Repairman Certificate: Privileges and Limitations.”**

## **6. APPLICATION.**

**a.** Applicants may obtain copies of FAA Form 8610-2 (OMB 2120-0022), Airman Certificate and/or Rating Application, from their local Flight Standards District Office (FSDO) or online at [http://www.faa.gov/licenses\\_certificates/](http://www.faa.gov/licenses_certificates/). Applicants should complete sections I, III, and IV of this form and submit it to their local FSDO. See Appendix 1 for an example. The box for “Repairman” (at top of form) should be checked and the words “Experimental Aircraft Builder” should be printed or typed underneath in the space for “Specific Rating.” Also, the four lines of information below, related to the subject amateur-built aircraft, should be printed or typed in the “Type of Work Performed” box of Item III.

Aircraft Make \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Certification Date of Aircraft \_\_\_\_\_

Applicants should read the Privacy Act statement attached to FAA Form 8610-2, prior to completing this form.

**NOTE: In accordance with the FAA Drug Enforcement Assistance Act of 1988, all airmen must apply in person and present positive identification at the time of application to an FAA FSDO. Such identification must include an official photograph of the applicant, the applicant’s signature, and the applicant’s residential address, if different than the mailing address. The means used to identify the applicant must include a photograph, the applicant’s signature, and the applicant’s actual residential address, if different from the mailing address. Other acceptable types of identification include, but are not limited to, Government ID cards, passports, and other forms of identification that meet the requirements above.**

b. When an applicant meets the certificate eligibility requirements, FAA Form 8060-4, Temporary Airman Certificates will be issued. Permanent certificates will be mailed to the holder of a Temporary Airman Certificate within 120 days of issuance.

**7. SURRENDER CERTIFICATES PROCEDURES.** Repairman certificates (experimental aircraft builder) should be surrendered whenever the aircraft is destroyed or sold. However, in the latter situation, the repairman may elect to retain the certificate in order to perform condition inspections on the aircraft for the new owner. Surrendered certificates should be forwarded to the Airman Certification Branch, AFS-760, P.O. Box 25082, Oklahoma City, Oklahoma 73125, with a brief statement of the reason for surrender.

**8. TYPICAL AIRCRAFT OPERATING LIMITATIONS.** The following similarly worded aircraft operating limitations may be issued at the time of aircraft certification:

a. No person may operate this aircraft unless within the preceding 12 calendar-months it has had a condition inspection performed in accordance with part 43, appendix D, and is found to be in a condition safe for operation. Additionally, this inspection shall be recorded in accordance with the limitation in subparagraph d.

b. For amateur-built aircraft, only an FAA-certificated repairman (insert repairman's name), a mechanic holding an airframe and powerplant rating, or an appropriately rated repair station may perform condition inspections in accordance with part 43, appendix D.

c. For other exhibition and air racing aircraft, only FAA-certificated and rated airframe and powerplant mechanics, or appropriately rated repair stations, may perform condition inspections in accordance with part 43, appendix D.

d. Condition inspections shall be recorded in the aircraft maintenance records showing the following, or a similarly worded, statement: "I certify that this aircraft has been inspected on (insert date) in accordance with the scope and detail of part 43, appendix D, and found to be in a condition safe for operation." The entry will include the total time in service, the name, signature, certificate type, and number of the person performing the inspection.

APPENDIX 1. SAMPLE FAA FORM 8610-2, AIRMAN CERTIFICATE  
AND/OR RATING APPLICATION

TYPE OR PRINT ALL ENTRIES IN INK

Form Approved  
OMB No. 2120-0022 11/30/2007



U.S. Department of Transportation  
Federal Aviation Administration

AIRMAN CERTIFICATE AND/OR RATING APPLICATION

- MECHANIC
- AIRFRAME
- POWERPLANT
- REPAIRMAN
- PARACHUTE RIGGER
- SENIOR
- SEAT
- BACK
- MASTER
- CHEST
- LAP

Experimental Aircraft Builder  
(Specify Rating)

APPLICATION FOR:  ORIGINAL ISSUANCE  ADDED RATING

I. APPLICANT INFORMATION

A. NAME (First, Middle, Last)  
Charles Mayer

K. PERMANENT MAILING ADDRESS  
1002 Cable Drive  
NUMBER AND STREET, P.O. BOX, ETC.  
Oakton  
CITY  
Virginia 22022  
STATE ZIP CODE

B. SOCIAL SECURITY NO. 134-09-0521  
C. DOB (Mo., Day., Yr.) 06/29/1985  
D. HEIGHT 70 IN. E. WEIGHT 200

F. HAIR black G. EYES Hazel H. SEX M I. NATIONALITY (Citizenship) USA

J. PLACE OF BIRTH  
Philadelphia, Pa.

L. HAVE YOU EVER HAD AN AIRMAN CERTIFICATE SUSPENDED OR REVOKED?  
 NO  YES (If "Yes," explain on an attached sheet keying to appropriate item number).

M. DO YOU NOW OR HAVE YOU EVER HELD AN FAA AIRMAN CERTIFICATE?  
 NO  YES  
SPECIFY TYPE:

N. HAVE YOU EVER BEEN CONVICTED FOR VIOLATION OF ANY FEDERAL OR STATE STATUTES PERTAINING TO NARCOTIC DRUGS, MARIJUANA, AND DEPRESSANT OR STIMULANT DRUGS OR SUBSTANCES?  NO  YES DATE OF FINAL CONVICTION

II. CERTIFICATE OR RATING APPLIED FOR ON BASIS OF -

A. CIVIL EXPERIENCE  B. MILITARY EXPERIENCE  C. LETTER OF RECOMMENDATION FOR REPAIRMAN (Attach copy)

D. GRADUATE OF APPROVED COURSE (1) NAME AND LOCATION OF SCHOOL (2) SCHOOL NO. (3) CURRICULUM FROM WHICH GRADUATED (4) DATE

E. STUDENT HAS MADE SATISFACTORY PROGRESS AND IS RECOMMENDED TO TAKE THE ORAL/PRACTICAL TEST (FAR 65.80) (1) SCHOOL NAME NO. (2) SCHOOL OFFICIAL'S SIGNATURE

F. SPECIAL AUTHORIZATION TO TAKE MECHANIC'S ORAL/PRACTICAL TEST (FAR 65.80) (1) DATE AUTH. (2) DATE AUTH. EXPIRES (3) FAA INSPECTOR SIGNATURE (4) FAA DIST OFC.

III. RECORD OF EXPERIENCE

A. MILITARY COMPETANCE OBTAINED IN (1) SERVICE (2) RANK OR PAY LEVEL (3) MILITARY SPECIALITY CODE

B. APPLICANT'S OTHER THAN FAA CERTIFICATED SCHOOL GRADUATES. LIST EXPERIENCE RELATING TO CERTIFICATE AND RATING APPLIED FOR. (Continue on separate sheet, if more space is needed).

DATES-MONTH AND YEAR		EMPLOYER AND LOCATION	TYPE WORK PERFORMED
FROM	TO		
			Make - Mayer's Special Model - M-1 Serial No. - No. 1
			Certification Date of Aircraft 05/01/2007

C. PARACHUTE RIGGER APPLICANTS: INDICATE BY TYPE HOW MANY PARACHUTES PACKED

SEAT	CHEST	BACK	LAP	FOR MASTER RATING ONLY	PACKED AS A -
					<input type="checkbox"/> SENIOR RIGGER <input type="checkbox"/> MILITARY RIGGER

IV. APPLICANT'S CERTIFICATION

I CERTIFY THAT THE STATEMENTS BY ME ON THIS APPLICATION ARE TRUE  
A. SIGNATURE B. DATE

I FIND THIS APPLICANT MEETS THE EXPERIENCE REQUIREMENTS OF FAR 65 AND IS ELIGIBLE TO TAKE THE REQUIRED TESTS. DATE INSPECTOR'S SIGNATURE FAA DISTRICT OFFICE

FOR FAA USE ONLY

Emp.	reg.	D.O.	seal	con	iss.	Act	Jev	TR	s.h.	Src	#rte	Rating (1)	Rating (2)	Rating (3)	Rating (4)

LIMITATIONS