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Civil Aeronautics Manual 48

Operation of Moored Balloons and Large Kites

FEDERAL AVIATION AGENCY

August 1959

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Introductory Note

This manual contains in consolidated form (1) Civil Air Regulations Part 48, Operation of Moored Balloons and Large Kites, dated December 29, 1954; and (2) the rules, policies, and interpretations issued by the Administrator of the Federal Aviation Agency in application to the various sections of the regulations.

FAA *rules* are supplementary regulations issued pursuant to authority expressly conferred on the Administrator in the Civil Air Regulations. Such rules are mandatory and must be complied with.

FAA *policies* provide detailed technical information on recommended methods of complying with the Civil Air Regulations. Such policies are for the guidance of the public and are not mandatory in nature.

FAA *interpretations* define or explain words and phrases of the Civil Air Regulations. Such interpretations are for the guidance of the public and will be followed by the Agency in determining compliance with the regulations.

This manual is arranged to give the number, title, and text of each section of the regulations followed by any rules, policies, or interpretations applicable to that section. These rules, policies, or interpretations of the Administrator are identified by consecutive dash numbers appended to the regulation section number.

As amendments and other pertinent materials pertaining to Part 48 are issued, they will be included in this manual.

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Operation of Moored Balloons and Large Kites

48.1 *Scope.* This part shall apply to moored balloons having a diameter of more than 6 feet or a gas capacity of more than 115 cubic feet and kites weighing more than 5 pounds when operated anywhere in the United States, including the several States, the District of Columbia, and the several Territories and possessions of the United States, including the territorial waters and the overlying airspace thereof.

48.1–1 Operation of a gyroglider as a large kite (FAA interpretations which apply to sec. 48.1). As used in this part the term "kite" includes a gyroglider operated by means of a towline attached to a vehicle on the surface. Such a device, therefore, must be operated in accordance with the provisions of this part. (Where the gyroglider is operated in free flight, it is considered to be an aircraft and must be certificated and operated in accordance with the applicable regulations for such aircraft.)

(Published in 22 F.R. 5978, July 30, 1957.)

48.2 *General.* Moored balloons having a diameter of more than 6 feet or a gas capacity of more than 115 cubic feet or kites weighing more than 5 pounds may be operated without permit from or notice to the Administrator when operated below 150 feet above the surface at a location more than 5 miles from the boundary of an airport. Kites and balloons of smaller size than specified herein are exempt from compliance with the regulations of this subchapter.

48.3 *Operation requiring permit.* Unless operated under the conditions specified in section 48.2, moored balloons or kites subject to the regulations in this part shall be operated under the authority of and in compliance with the terms and conditions of a permit issued by the Administrator when such kites or moored balloons are operated:

(a) Closer than 500 feet to the base of any cloud, or

(b) During the hours of darkness, or

(c) When ground visibility is less than 3 miles, or

(d) At altitudes more than 500 feet above the surface, or

(e) Within 5 miles of the boundary of an airport.

48.3–1 Conditions for issuance of a permit (FAA policies which apply to sec. 48.3). The procedure established for obtaining a permit for operation under this section is as follows:

(a) *Application.* Application for a permit will be made on Form ACA–400.[1]

(b) *Inspection.* When the application forms are submitted to the local inspector, the applicant should make arrangements with the inspector for inspection of the balloon or kite. At such time as a balloon or kite is presented for inspection, the applicant will also be required to present for inspection the following suitable items of equipment which are to be used in the operation of the balloon or kite:

(1) A rope, cable, or other mooring device.

(2) A mechanism for raising or lowering the kite or balloon.

(3) When required by section 48.5, a device or means of rapid deflation.

(c) *Permit issued.* When the application has been approved, the applicant will receive a permit, Form FAA–663. This permit will list the operations approved, and will incorporate the special provisions and limitations applicable to the type of operation,[2] as well as any other conditions which the inspector deems necessary for reasons of safety.

(d) *Duration.* The permit will contain an expiration date which will allow ample time to complete the operation. However, such expiration date will not exceed 1 year from the effective date of the permit. It may be surrendered by the holder or cancelled by the Administrator at any time.

(e) *Transfer of permit.* A permit is not transferable. A person desiring to take over the operations authorized a holder of a current

[1] Copies of this form may be obtained from the local district office and should be filled out in ink or typed. See appendix D for a list of these offices. A sample application for each type of operation is shown in appendixes A, B, and C.

[2] See secs. 48.3–2 through 48.3–6 for these special provisions and conditions.

permit must submit a new application, which will be processed in the same manner as an original issuance.

(f) *Special provisions.* The permit will contain such special provisions or conditions as the approving inspector may deem necessary in the interest of safety or appropriate to good operating practices.

48.3–2. Operation closer than 500 feet to the base of any cloud (FAA policies which apply to sec. 48.3(a)). Permit for operation of a moored balloon or kite under this section will be granted by the Administrator, subject to the following conditions:

(a) The operation will be conducted only during the period specified in the permit.

(b) The operation will not jeopardize the safety of aircraft taking off, landing, letting down through the clouds, or operating en route; and

(c) The mooring cable for the balloon or kite is clearly marked at intervals with colored pennants or streamers visible for at least 1 mile; except that a towed kite, generally referred to as a gyroglider, need not have the towing-mooring cable marked at intervals with colored pennants or streamers unless in the opinion of the inspector such marking is necessary for reasons of safety to aerial navigation.

48.3–3 Operation during the hours of darkness (FAA policies which apply to sec 48.3(b). Permit for operation of a moored balloon or kite under this section will be granted by the Administrator for operation without obstruction or hazard lighting, subject to the following conditions:

(a) The balloon or kite is operated in the congested area of any city or town at an altitude at which it is shielded by adjacent structures or buildings, so that it will not create an additional hazard to aircraft, or

(b) The operating location is such that any structure of the same height in the immediately adjacent area would not be considered an obstruction to air navigation as provided in TSO–N18,[3] or

(c) The advertising displays or other similar forms of lighting on the balloon or kite afford a warning equivalent to that required for towers, poles, and similar obstructions.[4]

(d) When operation of the balloon or kite cannot be in accordance with paragraphs (a), (b), and (c) of this section, a permit may be granted, subject to the following conditions:

(1) The balloon or kite is equipped with at least two 100-watt lamps enclosed in aviation red fresnal or prismatic obstruction light globes, and installed in such manner as to insure their visibility to an aircraft approaching from any angle; except that a towed kite, generally referred to as a gyroglider, may be equipped with position lights normally required for rotorcraft at night when, in the opinion of the inspector, such lighting will provide safety to aerial navigation.

(2) The mooring cable for the balloon or kite is clearly marked at intervals with red hazard lights, visible in all directions. Spacing of lights should be such that the location of the cable is clearly defined; except that the towing-mooring cable of a towed kite, generally referred to as a gyroglider, need not be marked with hazard lights when, in the opinion of the inspector, such lighting is not necessary for reasons of safety to aerial navigation.

48.3–4 Operation when the ground visibility is less than 3 miles (FAA policies which apply to sec. 48.3 (c)). A permit for the operation of a moored balloon or kite under this section will be granted only under the following conditions:

(a) The balloon or kite is operated in the congested area of a city or town at an altitude at which it will be shielded by adjacent structures or buildings so that it will not create a hazard to aircraft, or

(b) The operating location is such that any other obstruction of the same height would not be considered an obstruction to air navigation as provided in TSO–N18.

[3] TSO–N18, entitled "Criteria for Determining Obstructions to Air Navigation," may be obtained, without charge, from the Federal Aviation Agency, Aeronautical Reference Branch, Washington 25, D.C.

[4] This information is included in CAA's "Obstruction Marking Manual," available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C., price 30 cents.

48.3–5 Operation at altitudes more than 500 feet above the surface (FAA policies which apply to sec. 48.3 (d)). A permit will be granted for operation of a moored balloon or kite, subject to the following conditions:

(a) The mooring cable for the balloon or kite is clearly marked at intervals with colored pennants or streamers visible for at least 1 mile; except that a towed kite, generally referred to as a gyroglider, need not have the towing-mooring cable marked at intervals with colored pennants or streamers unless, in the opinion of the inspector, such marking is necessary for reasons of safety to aerial navigation.

(b) The location of the operation will not be considered an obstruction to aircraft operating on a civil airway, or approaching or departing from an airport, as provided in TSO–N18.

48.3–6 Operating within 5 miles of the boundary of an airport (FAA policies which apply to sec. 48.3(e)).

(a) A permit to operate a moored balloon or kite other than a gyroglider will be granted under this section, subject to the following conditions:

(1) The operation is not conducted within the approach area of any runway.

(2) The operation will not interfere with, or produce an obstruction to, aircraft in the traffic pattern.

(3) The mooring cable of the balloon or kite is clearly marked at intervals with colored pennants or streamers visible for at least 1 mile.

(4) The balloon or kite will not be operated closer than 500 feet below the ceiling.

(5) The operation will not be conducted when the visibility is less than 3 miles, or at night.

(b) A permit to operate a towed kite, generally referred to as a gyroglider, will be granted under this section for operation on or within 5 miles of an airport, subject to such conditions as the inspector deems necessary for safety to aerial navigation.

(Published in 22 F.R. 5978, July 30, 1957.)

48.4 ***Operation requiring notice.*** **Unless operated under the conditions specified in section 48.2 or section 48.3, written notice must be submitted to the nearest office of the Federal Aviation Agency at least 30 days prior to the date of operation when moored balloons or kites subject to the regulations in this part are operated between 150 and 500 feet above the surface. Such notice shall contain the name and address of the owner and person operating such balloon or kite, the date or dates of such proposed operation, and the location and altitude at which the proposed operation will be conducted.**

48.4–1 Form and content of notice (FAA policies which apply to sec. 48.4). No particular form has been developed for use in giving notice of intent to operate a moored balloon, kite, or gyroglider under the provisions of section 48.4. Such notice may be in letter form, submitted in triplicate to the district office for the area in which the operations are to be conducted.

48.4–2 Action on notice (FAA policies which apply to sec. 48.4). Prior to the expiration of the 30-day notice, the applicant will be notified by the local district office to which notice has been given as to whether or not his proposed operation comes within the provisions of section 48.4.

(Published in 22 F.R. 5978, July 30, 1957.)

48.5 ***Rapid deflation device.*** **No moored balloon having a diameter of more than 6 feet or a gas capacity of more than 115 cubic feet shall be operated unless it is equipped with a device or means of automatic and rapid deflation in the event of an escape from its moorings.**

48.5–1 Acceptable rapid deflation device (FAA policies which apply to sec. 48.5). The device or means of automatic rapid deflation should:

(a) Be a device or method that has been expressly produced by a manufacturer for this purpose, and has demonstrated its reliability through previous use, or

(b) Be a device or method deemed by the inspector as adequate. In this connection, an inspector may require a demonstration of the device or method.

(Published in 22 F.R. 5978, July 30, 1957.)

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

APPLICATION FOR CERTIFICATE OF WAIVER

FORM APPROVED
BUDGET BUREAU NO. 41-R075.6.

APPLICANTS—DO NOT USE THESE SPACES

REGION NO.	DATE

ACTION
☐ APPROVED ☐ DISAPPROVED *(Explain under "Remarks")*

SIGNATURE OF INSPECTOR

To: CIVIL AERONAUTICS ADMINISTRATION.

INSTRUCTIONS

Submit this application in triplicate (3) to your local CAA Flight Operations and Airworthiness District Office.

Applicants requesting a Certificate of Waiver for an air meet will complete all items and certification on this form and will attach a properly marked map or diagram of the operations area. This map or diagram must be to scale, and distances must be shown. It must include race courses, obstructions, grandstands; congested areas, parking areas, dead lines, police stations; ambulance, fire-truck, crash-wagon, and control stations.

Applicants requesting a Certificate of Waiver, for activities other than an air meet, will complete items 1 through 7 only and the certification on the reverse.

1. NAME (FIRST, MIDDLE, AND LAST)

BLANK HARDWARE CO.

2. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET, OR ROUTE NUMBER	POST OFFICE	STATE	TELEPHONE
	222 MAIN STREET	BLANK	MONTANA	6929

3. TO AUTHORIZE NONOBSERVANCE OF CIVIL AIR REGULATIONS, SECTION (INDICATE SECTIONS WHICH PROHIBIT PROPOSED OPERATION)

48.3

4. IN PERFORMANCE OF (DESCRIBE PROPOSED OPERATION AND PURPOSE THEREOF IN DETAIL)

Moored balloon operation within five miles of Blank Airport, Blank, Montana, at an altitude of 200 feet, advertising of anniversary sale.

(IF NECESSARY, ATTACH SUPPLEMENT TO CONTINUE)

5. AREA OF OPERATION

NW section of Blank, Montana, three miles from airport

6. FOR THE PERIOD OF— HOURS	DAYS	WEEKS	MONTHS	BEGINNING (*Date*)	ENDING (*Date*)	BETWEEN THE HOURS OF—
			1	4/12/54	5/12/54	Sunrise and sunset

7. AIRCRAFT MAKE AND MODEL	IDENTIFICATION MARK	OWNER	ADDRESS (STREET, CITY, STATE)
(Describe - size, etc.)	(List any identifying features, such as advertising carried, color, etc.)	Blank Hardware Co.	222 Main Street Blank, Montana

WHILE BEING FLOWN BY THE FOLLOWING PILOTS:

NAME	ADDRESS (STREET, CITY, STATE)	CERTIFICATE NUMBER AND RATING
W. W. Wise	333 Kay Street Blank, Montana	None

10—67823-3

Form ACA-400 (1-48)

8. THE AIR MEET WILL BE SPONSORED BY—

9. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET OR ROUTE NUMBER	POST OFFICE	CITY	STATE

10. POLICING (WHAT PROVISION WILL BE MADE FOR POLICING THE MEET?)

11. EMERGENCY FACILITIES

☐ PHYSICIAN ☐ AMBULANCE ☐ FIRE TRUCK ☐ CRASH WAGON

☐ OTHER (*Specify*) _____

12. AIR TRAFFIC CONTROL (DESCRIBE METHOD OF CONTROLLING TRAFFIC, INCLUDING PROVISION FOR ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT)

13. SCHEDULE OF EVENTS (INCLUDE ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT AND OTHER OPEN PORT PERIODS; UNFORESEEN CHANGES AND REVISIONS TO BE SUBJECT TO APPROVAL OF LOCAL INSPECTOR)

HOUR	DATE	EVENT	PILOT RATING

(If sufficient space is not available, the entire schedule of events may be submitted on separate sheets, in the order and manner indicated above.)

The undersigned applicant accepts full responsibility for the strict observance of the terms of the Certificate of Waiver, and understands that the authorization contained in such certificate will be strictly limited to the above-described operations.

I CERTIFY that the foregoing statements are true.

4/9/54 (DATE)

W. W. Wise (SIGNATURE OF APPLICANT)

REMARKS

U. S. GOVERNMENT PRINTING OFFICE 16—57823-3

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

APPLICATION FOR CERTIFICATE OF WAIVER

FORM APPROVED
BUDGET BUREAU NO. 41-R075.6.

APPLICANTS—DO NOT USE THESE SPACES

REGION NO. | DATE

ACTION
☐ APPROVED ☐ DISAPPROVED *(Explain under "Remarks")*

SIGNATURE OF INSPECTOR

To: CIVIL AERONAUTICS ADMINISTRATION.

INSTRUCTIONS

Submit this application in triplicate (3) to your local CAA Flight Operations and Airworthiness District Office.

Applicants requesting a Certificate of Waiver for an air meet will complete all items and certification on this form and will attach a properly marked map or diagram of the operations area. *This map or diagram must be to scale, and distances must be* shown. It must include race courses, obstructions, grandstands; congested areas, parking areas, dead lines, police stations; ambulance, fire-truck, crash-wagon, and control stations.

Applicants requesting a Certificate of Waiver, for activities other than an air meet, will complete items 1 through 7 only and *the certification on the reverse.*

1. NAME (FIRST, MIDDLE, AND LAST)

JOHN HENRY JAMES

2. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET, OR ROUTE NUMBER	POST OFFICE	STATE	TELEPHONE
	637 SUMMER STREET	KENYON	INDIANA	67825

3. TO AUTHORIZE NONOBSERVANCE OF CIVIL AIR REGULATIONS, SECTION (INDICATE SECTIONS WHICH PROHIBIT PROPOSED OPERATION)

48.3

4. IN PERFORMANCE OF (DESCRIBE PROPOSED OPERATION AND PURPOSE THEREOF IN DETAIL)

Operation of kite within five miles of Kenyon Airport, at an altitude of 200 feet. Advertising campaign for the "SAILBIRD" Kite, and demonstration of "SAILBIRD" Kites.

(IF NECESSARY, ATTACH SUPPLEMENT TO CONTINUE)

5. AREA OF OPERATION

SE Section of Kenyon, Indiana, at 824 New Market Boulevard

6. FOR THE PERIOD OF— HOURS	DAYS	WEEKS	MONTHS	BEGINNING (*Date*)	ENDING (*Date*)	BETWEEN THE HOURS OF—
	10			6/20/54	6/30/54	10:00 AM and 5:30 PM

7. AIRCRAFT MAKE AND MODEL	IDENTIFICATION MARK	OWNER	ADDRESS (STREET, CITY, STATE)
(Describe - size, weight, etc.)	(List any identifying features.)	John Henry James	637 Summer Street, Kenyon, Indiana

WHILE BEING FLOWN BY THE FOLLOWING PILOTS:

NAME	ADDRESS (STREET, CITY, STATE)	CERTIFICATE NUMBER AND RATING
John Henry James	637 Summer St., Kenyon, Ind.	
Wilfred B. James	637 Summer St., Kenyon, Ind.	
John H. Smith	1826 Hallock Ave., Kenyon, Ind.	NONE

16—67823-3

Form ACA-400 (1-48)

8. THE AIR MEET WILL BE SPONSORED BY—

9. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET OR ROUTE NUMBER	POST OFFICE	CITY	STATE

10. POLICING (WHAT PROVISION WILL BE MADE FOR POLICING THE MEET?)

11. EMERGENCY FACILITIES

☐ PHYSICIAN ☐ AMBULANCE ☐ FIRE TRUCK ☐ CRASH WAGON

☐ OTHER (*Specify*) _____

12. AIR TRAFFIC CONTROL (DESCRIBE METHOD OF CONTROLLING TRAFFIC, INCLUDING PROVISION FOR ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT)

13. SCHEDULE OF EVENTS (INCLUDE ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT AND OTHER OPEN PORT PERIODS; UNFORESEEN CHANGES AND REVISIONS TO BE SUBJECT TO APPROVAL OF LOCAL INSPECTOR)

HOUR	DATE	EVENT	PILOT RATING

(If sufficient space is not available, the entire schedule of events may be submitted on separate sheets, in the order and manner indicated above.)

The undersigned applicant accepts full responsibility for the strict observance of the terms of the Certificate of Waiver, and understands that the authorization contained in such certificate will be strictly limited to the above-described operations.

I CERTIFY that the foregoing statements are true.

6/15/54
(DATE)

John Henry James
(SIGNATURE OF APPLICANT)

REMARKS

U. S. GOVERNMENT PRINTING OFFICE 16—57823-3

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

APPLICATION FOR CERTIFICATE OF WAIVER

To: CIVIL AERONAUTICS ADMINISTRATION.

FORM APPROVED
BUDGET BUREAU NO. 41-R075.6.

APPLICANTS—DO NOT USE THESE SPACES

REGION NO.	DATE

ACTION ☐ APPROVED ☐ DISAPPROVED *(Explain under "Remarks")*

SIGNATURE OF INSPECTOR

INSTRUCTIONS

Submit this application in triplicate (3) to your local CAA Flight Operations and Airworthiness District Office.

Applicants requesting a Certificate of Waiver for an air meet will complete all items and certification on this form and will attach a properly marked map or diagram of the operations area. This map or diagram must be to scale, and distances must be shown. It must include race courses, obstructions, grandstands; congested areas, parking areas, dead lines, police stations; ambulance, fire-truck, crash-wagon, and control stations.

Applicants requesting a Certificate of Waiver, for activities other than an air meet, will complete items 1 through 7 only and the certification on the reverse.

1. NAME (FIRST, MIDDLE, AND LAST)

JOHN HENRY JAMES

2. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET, OR ROUTE NUMBER	POST OFFICE	STATE	TELEPHONE
	637 SUMMER STREET	KENYON	INDIANA	67825

3. TO AUTHORIZE NONOBSERVANCE OF CIVIL AIR REGULATIONS, SECTION (INDICATE SECTIONS WHICH PROHIBIT PROPOSED OPERATION)

CAR 48.3

4. IN PERFORMANCE OF (DESCRIBE PROPOSED OPERATION AND PURPOSE THEREOF IN DETAIL)

Operation of gyro-glider on Kenyon Airport

(IF NECESSARY, ATTACH SUPPLEMENT TO CONTINUE)

5. AREA OF OPERATION

6. FOR THE PERIOD OF— HOURS	DAYS	WEEKS	MONTHS	BEGINNING (*Date*)	ENDING (*Date*)	BETWEEN THE HOURS OF—
			12	6/15/55	6/15/56	Sunrise and sunset

7. AIRCRAFT MAKE AND MODEL	IDENTIFICATION MARK	OWNER	ADDRESS (STREET, CITY, STATE)
Bensen Gyro-glider	(list any identifying features.)	John Henry James	637 Summer Street, Kenyon, Indiana

WHILE BEING FLOWN BY THE FOLLOWING PILOTS:

NAME	ADDRESS (STREET, CITY, STATE)	CERTIFICATE NUMBER AND RATING
Persons granted permission to do so by John Henry James		

16—67823-3

Form ACA-400 (1-48)

8. THE AIR MEET WILL BE SPONSORED BY—

9. PERMANENT MAILING ADDRESS	HOUSE NUMBER AND STREET OR ROUTE NUMBER	POST OFFICE	CITY	STATE

10. POLICING (WHAT PROVISION WILL BE MADE FOR POLICING THE MEET?)

11. EMERGENCY FACILITIES

☐ PHYSICIAN ☐ AMBULANCE ☐ FIRE TRUCK ☐ CRASH WAGON

☐ OTHER (*Specify*) _____

12. AIR TRAFFIC CONTROL (DESCRIBE METHOD OF CONTROLLING TRAFFIC, INCLUDING PROVISION FOR ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT)

13. SCHEDULE OF EVENTS (INCLUDE ARRIVAL AND DEPARTURE OF SCHEDULED AIRCRAFT AND OTHER OPEN PORT PERIODS; UNFORESEEN CHANGES AND REVISIONS TO BE SUBJECT TO APPROVAL OF LOCAL INSPECTOR)

HOUR	DATE	EVENT	PILOT RATING

(If sufficient space is not available, the entire schedule of events may be submitted on separate sheets, in the order and manner indicated above.)

The undersigned applicant accepts full responsibility for the strict observance of the terms of the Certificate of Waiver, and understands that the authorization contained in such certificate will be strictly limited to the above-described operations.

I CERTIFY that the foregoing statements are true.

6/15/55 (DATE)

John Henry James (SIGNATURE OF APPLICANT)

REMARKS

U. S. GOVERNMENT PRINTING OFFICE 16—57823-3

Appendix D

GENERAL SAFETY REGIONAL AND DISTRICT OFFICES

Region I

Regional Office—Federal Building, New York International Airport, Jamaica, Long Island, N.Y.

DISTRICT OFFICES

State	City	Location	Mailing address
Kentucky	Louisville	Administration Bldg., Bowman Field.	Administration Bldg., Bowman Field.
Maine	Portland	Municipal Airport	Municipal Airport.
Massachusetts	Norwood	Municipal Airport	Municipal Airport.
Massachusetts	Westfield	Barnes Westfield Airport	Post Office Box 464, Barnes Westfield Airport.
New Jersey	Haddonfield	Echelon Airport	Post Office Box 154.
New Jersey	Teterboro	Teterboro Air Terminal	Teterboro Air Terminal.
New York	Albany	Albany Airport, Watervliet	Post Office Box 577, Latham, N.Y.
New York	Lindenhurst	Zahn's Airport, North Wellwood Ave.	Zahn's Airport, North Wellwood Ave.
New York	Rochester	Municipal Airport	Municipal Airport.
Ohio	Cincinnati	Lunken Airport, Administration Bldg.	Lunken Airport, Administration Bldg.
Ohio	Cleveland	Cleveland Hopkins Airport	Building S–21, Cleveland Hopkins Airport.
Ohio	Columbus	Room 222, Tower Bldg., Port Columbus Airport.	Room 222, Tower Bldg., Port Columbus Airport.
Pennsylvania	Allentown	Allentown-Bethlehem-Easton Airport.	Allentown-Bethlehem-Easton Airport.
Pennsylvania	Harrisburg	Harrisburg State Airport, New Cumberland.	Harrisburg State Airport, New Cumberland.
Pennsylvania	Pittsburgh	Allegheny County Airport, Dravosburg, Pa.	Allegheny County Airport, Dravosburg, Pa.
Virginia	Alexandria	Beacon Field, 2013 Richmond Highway.	Beacon Field, 2013 Richmond Highway.
Virginia	Richmond	Byrd Field, Sandston, Va	Byrd Field, Sandston, Va.

516724 O -59 -2

Region II

Regional Office—Meacham Field, Post Office Box 1689, Fort Worth 1, Tex.

DISTRICT OFFICES

State	City	Location	Mailing address
Alabama	Birmingham	Municipal Airport	Municipal Airport.
Arkansas	Little Rock	Adams Field	R.F.D. 77, Adams Field.
Florida	Jacksonville	Rooms 221–225, U.S. Post Office Bldg.	311 West Monroe St., U.S. Post Office Bldg., Rooms 221–225, Post Office Box 1504.
Florida	Miami	International Airport	Miami International Airport, Box 226.
Florida	Tampa	Peter O. Knight Airport	Peter O. Knight Airport, Box 2112.
Georgia	Atlanta	3999 Gordon Road SW	3999 Gordon Road SW.
Louisiana	New Orleans	New Orleans Airport	New Orleans Airport, Box 8068, Gentilly Branch.
Louisiana	Shreveport	Downtown Airport	Downtown Airport.
Mississippi	Jackson	334 Army Air Base Bldg	334 Army Air Base Bldg., Box 1727.
North Carolina	Charlotte	Municipal Airport	Municipal Airport, Post Office Box 598.
North Carolina	Raleigh	506–507 Commercial Bldg	506–507 Commercial Bldg., Post Office Box 1858.
Oklahoma	Oklahoma City.	Municipal Airport	Municipal Airport, Post Office Box 5158, Farley Station.
Oklahoma	Tulsa	Municipal Airport, Administration Bldg.	Municipal Airport, Administration Bldg., Room 107.
South Carolina	Columbia	Capital Airport	Capital Airport, Box 368, West Columbia, S.C.
Tennessee	Memphis	2d floor, Hangar No. 1, Memphis Municipal Airport.	Post Office Box 7097.
Tennessee	Nashville	Berry Field	Berry Field.
Texas	Amarillo	Tradewind Airport	Tradewind Airport, Post Office Box 2306.
Texas	Brownsville	Rio Grande Valley, International Airport.	Administration Bldg., Rio Grande Valley, International Airport.

Region II—Continued

DISTRICT OFFICES

State	City	Location	Mailing address
Texas	Dallas	Room 241, Terminal Bldg., Love Field.	Room 241, Terminal Bldg., Love Field.
Texas	Fort Worth	Meacham Field	Post Office Box 1689, Meacham Field.
Texas	Houston	2d floor, National Guard Hangar, International Airport.	International Airport, Post Office Box 12387.
Texas	Midland	Midland Air Terminal	Midland Air Terminal, Post Office Box 198, Terminal, Tex.
Texas	San Antonio	International Airport	International Airport, 371 North Terminal Dr., Room 2.

Region III

Regional Office—4825 Froost Ave., Kansas City 10, Mo.

DISTRICT OFFICES

State	City	Location	Mailing address
Illinois	Springfield	Capital Airport	Post Office Box 197, Capital Airport.
Illinois	St. Charles	Du Page County Airport	Post Office Box 337, Du Page County Airport, West Chicago, Ill.
Indiana	Indianapolis	Administration Bldg., Weir-Cook Municipal Airport.	Administration Bldg., Weir-Cook Municipal Airport.
Indiana	South Bend	St. Joseph County Airport	St. Joseph County Airport.
Iowa	Cedar Rapids	Administration Bldg., Municipal Airport.	Post Office Box 1907, Municipal Airport.
Iowa	Des Moines	228 Administration Bldg., Municipal Airport.	228 Administration Bldg., Municipal Airport.
Kansas	Dodge City	Municipal Airport	Post Office Box 550, Municipal Airport.
Kansas	Kansas City	2d floor, Administration Bldg., Fairfax Airport.	2d floor, Administration Bldg., Fairfax Airport.

Region III—Continued

DISTRICT OFFICES

State	City	Location	Mailing address
Kansas	Wichita	3d floor, Tower Bldg., New Municipal Airport, Prospect, Kans.	Post Office Box 2497, West Wichita Station.
Michigan	Grand Rapids	Kent County Airport	Kent County Airport.
Michigan	Inkster	Administration Bldg., Detroit-Wayne Major Airport.	Administration Bldg., Detroit-Wayne Major Airport.
Minnesota	Minneapolis	Administration Bldg., Wold-Chamberlain Field.	Box 1, Administration Bldg., Wold-Chamberlain Field.
Missouri	Springfield	Municipal Airport, Route 6	Municipal Airport, Route 6, Box 502–A.
Missouri	St. Louis	Administration Bldg., Lambert Field.	Box 6127, St. Louis-Lambert Airport.
Nebraska	Lincoln	Administration Bldg., Municipal (Union) Airport.	Post Office Box 1748, Municipal (Union) Airport, Administration Bldg.
Nebraska	North Platte	128 Administration Bldg., Municipal Airport.	Post Office Box 581, 128 Administration Bldg., Municipal Airport.
North Dakota	Bismarck	Municipal Airport	Post Office Box 805, Municipal Airport.
North Dakota	Fargo	Administration Bldg., Hector Airport.	Post Office Box 1756, Administration Bldg., Hector Airport.
South Dakota	Huron	Municipal Airport	Post Office Box 96, Municipal Airport.
South Dakota	Rapid City	Municipal Airport	Post Office Box 27.
Wisconsin	Milwaukee	General Mitchell Field	General Mitchell Field.
Wisconsin	Wausau	Wausau Municipal Airport	Wausau Municipal Airport.

Region IV

Regional Office—Post Office Box 90007, Airport Station, 5651 West Manchester Ave., Los Angeles 45, Calif.

DISTRICT OFFICES

State	City	Location	Mailing address
Arizona	Phoenix	Sky Harbor Airport	3000 Sky Harbor Blvd., Sky Harbor Airport.
California	Fresno	Fresno Air Terminal	Post Office Box 591, Fresno Air Terminal.
California	Long Beach	Administration Bldg., Municipal Airport.	Administration Bldg., Municipal Airport.
California	Los Angeles	5651 West Manchester Ave	Post Office Box 90007, Airport Station.
California	Oakland	Metropolitan Oakland International Airport.	Metropolitan Oakland International Airport.
California	Ontario	Administration Bldg., Ontario International Airport.	Administration Bldg., Ontario International Airport.
California	Palo Alto	Municipal Airport	Post Office Box 1240, Municipal Airport.
California	Sacramento	Municipal Airport	Municipal Airport.
California	San Diego	Administration Bldg., Lindbergh Field.	Administration Bldg., Lindbergh Field.
California	Van Nuys	7550 Hayvenhurst Ave., San Fernando Valley Airport.	7550 Hayvenhurst Ave., San Fernando Valley Airport.
Colorado	Denver	FAA District Office Bldg., Stapleton Airfield.	FAA District Office Bldg., Stapleton Airfield.
Idaho	Boise	1412 Idaho St	1412 Idaho St.
Montana	Billings	208 Stapleton Bldg	Post Office Box 2078.
Montana	Helena	Municipal Airport	Post Office Box 1167, Municipal Airport.
Nevada	Reno	Room 9, Savier Bldg., 210 West 2d St.	Post Office Box 499.
New Mexico	Albuquerque	2029 Yale Blvd. SE	2029 Yale Blvd. SE.
Oregon	Medford	Municipal Airport	Post Office Box 832, Municipal Airport.

Region IV—Continued

DISTRICT OFFICES

State	City	Location	Mailing address
Oregon	Portland	Service Office Bldg., 5410 Northeast Marine Dr.	Service Office Bldg., 5410 Northeast Marine Dr.
Utah	Salt Lake City	Municipal Airport No. 1	Municipal Airport No. 1.
Washington	Seattle	FAA Bldg., Boeing Field	Box 18, Boeing Field.
Washington	Spokane	Administration Bldg., Felts Field.	Post Office Box 247, Parkwater Station.
Washington	Yakima	2300 West Washington Ave	2300 West Washington Ave.
Wyoming	Cheyenne	Municipal Airport, 4101 Evans Ave.	Box 2068, Airport Station.

Region V

Regional Office—Post Office Box 440, Room 63, Federal Bldg., Anchorage, Alaska

DISTRICT OFFICES

State	City	Location	Mailing address
Alaska	Anchorage	Communications Bldg., Merrill Field.	Communications Bldg., Merrill Field, Post Office Box 440.
Alaska	Fairbanks	Wien Hangar, International Airport.	Post Office Box 510.

Region VI

Regional Office—New Hawaiian Life Insurance Bldg., Kapiolani Blvd. and Piikoi St., Post Office Box 4009, Honolulu 12, Hawaii

State	City	Location	Mailing address
All other offices		Honolulu Airport	Post Office Box 4009.

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