



U.S. Department  
of Transportation  
Federal Aviation  
Administration

10A TECHNICAL UNIT

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# Advisory Circular

Subject: **ADVISORY CIRCULAR CHECKLIST  
(and Status of Other FAA Publications)**

Date: (10/15/86) AC No: 00-2ZZ  
Initiated by: AMS-420

1. Purpose. This circular transmits the revised checklist of current FAA advisory circulars (AC's) and Certain Other Publications subsequent to October 15, 1986. This checklist is issued as necessary to list all current advisory circulars.

2. Explanation of AC system. The FAA issues advisory circulars to inform the aviation public in a systematic way of nonregulatory material of interest. Unless incorporated into a regulation by reference, the contents of an advisory circular are not binding on the public. Advisory circulars are issued in a numbered-subject system corresponding to the subject areas of the Federal Aviation Regulations (FAR's) (Title 14, Code of Federal Regulations, Chapter I, Federal Aviation Administration). An AC is issued to provide guidance and information in its designated subject area or to show a method acceptable to the Administrator for complying with a related Federal Aviation Regulation.

### 3. Cancellations.

a. The following Advisory Circulars (AC's) are canceled. They have been revised with a letter A, B, C etc., after the consecutive number: (See additions list).

- 00-2YY Advisory Circular Checklist (10-15-85) and Change 1, (3-15-86).
- 00-44W Status of Federal Aviation Regulations (7-15-85).
- 20-24A Qualification of Fuels, Lubricants and Additives for Aircraft Engines, (4-14-87).
- 20-67A Airborne VHF Communications Equipment Installations (10-17-72).
- 20-88 Guidelines on the Marking of Powerplant Instruments (12-11-73).
- 20-110B Index of Aviation Technical Standard Orders (4-12-84).
- 20-115 Radio Technical Commission for Aeronautics (RTCA) Document D0-178 (9-3-83).
- 21-15D Announcement of Availability - Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications (2-11-85).
- 21-431-1 Designated Alteration Station Authorization Procedures (2-8-82).
- 23-6 Interpretation of Failure for Static Structural Test Programs (9-2-86).
- 23-629-1 Means of Compliance with Section 23-629, Flutter (1-8-79).
- 23-1419-1 Certification of Small Airplanes for Flight in Icing Conditions (9-2-86).

- 25-571-1 Damage Tolerance and Fatigue Evaluation of Structure (7-28-78).
- 36-1C Certificated and International Airplane Noise Levels (6-6-83).
- 36-2B Measured or Estimated (Uncertificated) Airplane Noise Levels (9-16-84).
- 36-3C Estimated airplane Noise Levels In A-Weighted Decibels (9-28-83).
- 36-4 Noise Certification Test and Analysis Procedures (10-27-83).
- 39-6K Announcement of Availability-- Summary of Airworthiness Directives (6-4-85).
- 7460-1F Obstruction Marking and Lighting (9-27-78).
- 7460-2G Proposed Construction or Alteration of Objects That May Affect the Navigable Airspace (11-22-76).
- 90-50B VHF Radiofrequency Assignment Plan for Aeronautical Operations (12-12-77).
- 120-12 Private Carriage Versus Common Carriage by Commercial Operators Using Large Aircraft (6-24-64).
- 120-40 Airplane Simulator And Visual System Evaluation (1-31-83).
- 150/5000-3H Address List for Regional Airports Divisions and Airports District/Field Offices (12-5-84).
- 150/5190-1 Minimum Standards for Commercial Aeronautical Activities on Public Airport (8-18-66).
- 150/5200-18A Airport Safety Self-Inspection (2-5-72).
- 150/5210-5A Painting, Marking, and Lighting of Vehicles Used on an Airport (1-30-85).
- 150/5320-12 Methods for the design, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces (6-30-75).
- 150/5340-17A Standby Power for Non-FAA Airport Lighting Systems (3-19-71).
- 150/5340-27 Air-To-Ground Radio Control of Airport Lighting Systems (8-10-77).
- 150/5345-10 Approved Airport Lighting Equipment (1-23-86).
- 150/5345-3C Specification for L-821 Panels for Remote Control of Airport Lighting (3-30-77).
- 150/5345-13 Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (1-6-64).
- 150/5345-49 Specification L-854, Radio Control Equipment (5-20-77).
- 183-32D FAA Designated Maintenance Technician Examiner Directory (7-23-84). (AVN-133).

AC 00-22Z  
10/15/86

- 183-33 Designated Airworthiness  
Representatives (2-14-83).  
183.29-1T Designated Engineering  
Representatives (6-28-85).

b. The following AC's are canceled by another identifier (if shown) or because the information contained in the circular is outdated and no longer beneficial to the aviation public:

- \*20-93 (1-29-76). AFS-800 letter 9-29-86.  
61-17A Safety Hazard Associated with  
Simulated Instrument Flights and the Use  
of View Limiting Devices on Aircraft  
(3-8-79). Canceled by AFS-800 letter  
dated 7-18-86.  
\*91-28 (12-23-69). AFS-800 letter 9-29-86.  
150/5200-14 Results of 90-Day Trial Exercise  
on Fire Department Activity (9-8-70).  
Canceled by AAS-1 letter dated 8-1-86.  
150/5200-26A Announcement of Availability--  
An Airport Firefighter Terminal Flm,  
"Red Alert" (9-2-80). Canceled by AAS-1  
memo dated 1-14-86.

c. The following AC's will be replaced,  
effective 7-31-87, by FAA-S-8081-4, Instrument  
Rating Practical Test Standards, July 1986:  
(This publication is for sale and is listed in  
Appendix III of this checklist).

- 61-56A Flight Test Guide, Instrument Pilot  
Airplane (5-7-76).  
61-64A Flight Test Guide--Instrument Pilot  
Helicopter (5-25-77).

4. Additions. The following advisory  
circulars are added to the list:

- 00-22Z Advisory Circular Checklist,  
(10-15-86).  
00-44X Status of Federal Aviation Regulations  
(7-1-86).  
20-24B Qualification of Fuels, Lubricants and  
Additives for Aircraft Engines  
(12-20-85).  
20-67B Airborne VHF Communications Equipment  
Installations (1-16-86).  
20-88A Guidelines on the Marking of Aircraft  
Powerplant Instruments (Displays  
(9-30-85).  
20-110C Index of Aviation Technical Standard  
Orders (5-13-86).  
20-115A Radio Technical Commission for  
Aeronautics RTCA/DO-178A  
(8-12-86).  
20-124 Water Ingestion Testing for Turbine  
Airplanes (9-30-85).  
20-125 Water in Aviation Fuels (12-10-85).  
21-15E Announcement of Availability--  
Aircraft, Aircraft Engines and Propeller  
Type Certificate Data Sheets and  
Specifications (2-18-86).  
21-431-1A Designated Alteration Station  
Authorization Procedures (12-19-85).  
23-4 Static Strength Substantiation of  
Attachment Points for Occupant Restraint  
System Installations (6-20-86).

\*Late Entry

- 23-5 Cutouts in a Modified Fuselage of  
Small Airplanes (8-6-86).  
23-629-1A Means of Compliance with Section  
23-629, Flutter (10-23-85).  
23.909-1 Installation of Turbochargers in  
Small Airplanes with Reciprocating  
Engines (2-3-86).  
25-7 Flight Test Guide for Certification of  
Transport Category Airplanes (4-9-86).  
25-8 Auxiliary Fuel System Installations  
(5-2-86).  
25-9 Smoke Detection, Penetration, and  
Evacuation Tests and Related Flight  
Manual Emergency Procedures (7-29-86).  
25.571-1A Damage Tolerance and Fatigue  
Evaluation of Structure (3-5-86).  
25.812-1 Floor Proximity Emergency Escape  
Path Marking (9-30-85).  
25.853-1 Flammability Requirements for  
Aircraft Seat Cushions (9-17-86).  
25.939-1 Evaluating Turbine Engine Operating  
Characteristics (3-19-86).  
25.994-1 Design Considerations to Protect  
Fuel Systems During a Wheel-Up Landing  
(7-24-86).  
33.65-1 Surge and Stall Characteristics of  
Aircraft Turbine Engines (12-6-85).  
36-1D Certificated and International Airplane  
Noise Levels (11-4-85).  
36-2C Measured or Estimated (Uncertificated)  
Airplane Noise Levels (2-12-86).  
36-3D Estimated airplane Noise Levels In  
A-Weighted Decibels (3-27-86).  
36-4A Noise Certification Test and Analysis  
Procedures (1-21-86).  
39-6L Announcement of Availability-- Summary  
of Airworthiness Directives (3-14-86).  
45-3 Installation, Removal, or Change of  
Identification Data and Identification  
Plates on Aircraft Engines (11-6-85).  
60-19 Announcement of Availability: New  
Series Test Question Books (4-1-86).  
7460-1G Obstruction Marking and Lighting  
(10-22-85).  
7460-2H Proposed Construction or Alteration  
of Objects That May Affect the Navigable  
Airspace (11-15-85).  
90-50C VHF Radiofrequency Assignment Plan for  
Aeronautical Operations (3-10-86).  
91-65 Use of Shoulder Harness In Passenger  
Seats (8-4-86).  
90-87 Helicopter Dynamic Rollover (1-27-86).  
90-88 Airport Radar Service Area (ARSA)  
(6-23-86).  
120-12A Private Carriage Versus Common  
Carriage of Persons or Property  
(4-26-86).  
120-40A Airplane Simulator And Visual System  
Evaluation (7-31-86).  
150/5000-3J Address List for Regional  
Airports Divisions and Airports  
District-Field Offices (4-22-86).  
150/5100-14A, Chg. 1 Architectural,  
Engineering, and Planning Consultant  
Services for Airport Grant Projects  
(4-16-86).  
150/5190-1A Minimum Standards for Commercial  
Aeronautical Activities on Public  
Airport (12-16-85).  
150/5200-18A Airport Safety Self-Inspection  
(12-18-85).

- 150/5200-27A, Chg. 1 Airport Snow and Ice Control (2-26-86).
- 150/5210-5B Painting, Marking, and Lighting of Vehicles Used on an Airport (7-11-86).
- 150/5210-14 Airport Fire and Rescue Personnel Protective Clothing (3-12-86).
- 150/5220-16 Automated Weather Observing Systems (AWOS) for Non-Federal Applications (4-11-86).
- 150/5230-4, Chg. 1 Aircraft Fuel Storage, Handling, and Dispensing on Airports (2-20-86).
- 150/5320-12A Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces (7-11-86).
- 150/5340-17B Standby Power for Non-FAA Airport Lighting Systems (1-6-86).
- 150/5340-27A Air-To-Ground Radio Control of Airport Lighting Systems (3-4-86).
- 150/5345-1R Approved Airport Lighting Equipment (7-7-86).
- 150/5345-3D Specification for L-821 Panels for Remote Control of Airport Lighting (8-8-86).
- 150/5345-13A Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (8-8-86).
- 150/5345-49A Specification L-854, Radio Control Equipment (8-8-86).
- 150/5370-10, Chg. 24 Standards for Specifying Construction of Airports (10-24-74).
- 150/5390-10, Chg. 2 Heliport Design Guide (7/28/86).
- 183-32E FAA Designated Maintenance Technician Examiner Directory (4-24-86). (AVN-133).
- 183-33A Designated Airworthiness Representatives (10-1-85).
- 183-34 FAA Designated Airworthiness Representatives (Maintenance and Manufacturing) Directory (5-9-86).
- 183-29-1U Designated Engineering Representatives (7-2-86).

**5. The Advisory Circular Checklist.**

a. **General.** Each circular issued is listed numerically within its subject-number breakdown in Appendix I. The identification number (AC 120-1), the change number of the latest change, if any, to the right of the identification number, the title, and the issuance date for each circular are shown. A brief explanation of the contents is given for each listing. For cross-referencing purposes an alphabetical section is provided in Appendix II.

b. **Omitted numbers.** In some series, some consecutive numbers are missing. These numbers were assigned to advisory circulars still in preparation which will be issued later or were assigned to advisory circulars that have been canceled.

**b. How to order:**

a. **Free Advisory Circulars (AC's).** If no price is listed after the AC, it is free. You can expedite the delivery of your order by using the special order blank in the back of this checklist, Attachment 1 (photocopies are acceptable). Distribution personnel will send up to ten copies of any "free" publication. Higher quantities must be approved by the issuing office. Send your order for "free" AC's to:

U.S. Department of Transportation  
Subsequent Distribution Section, M-494.3  
Washington, D.C. 20590

To be added to or deleted from an AC MAILING LIST, for your convenience, we have included in the back of this checklist (Attachment 2) a "Request For Mailing List Action" sheet. Complete this sheet and mail to:

U.S. Department of Transportation  
Distribution Requirements Section, M-494.1  
Washington, D.C. 20590

b. **Sale AC's.** If a price is listed after the AC description the AC is sold by the Superintendent of Documents, U.S. Government Printing Office. When "(Sub.)" is included with the price, the AC is available on a subscription basis only; supplements or changes to the basic document will be sent to you at no additional charge until the subscription expires. Orders for mailing to foreign countries should include an additional 25 percent of the total price to cover handling. No c.o.d. orders are accepted.

c. **Other Publications for Sale.** A list of certain internal FAA directives and publications is shown in Appendix III and are identified by their own numbers and/or titles.

**NOTICE**

Prices on Publications that are for sale are current as of this issue. These prices are subject to change as the year progresses. Therefore, the prices charged on your order may differ from those printed in this checklist. Make check or money order in the amount listed to Superintendent of Documents. Mail it with the exact title and stock number of the Publication you are ordering to:

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

GP0 operates 24 bookstores located throughout the United States. For your convenience, a list of these bookstores is shown in the back of this checklist. Both the Federal Telecommunications System (FTS) and commercial phone numbers are listed after each address. All GP0 bookstores accept VISA, MasterCard, and Superintendent of Documents deposit account orders.

7. The Circular Numbering System.

a. General. The advisory circular numbers relate to the FAR subchapter titles and correspond to the Parts, and when appropriate, to the specific sections of the Federal Aviation Regulations.

b. General and specific subject numbers. The subject numbers and related subject areas are as follows:

| General Subject Number-<br>1 | Specific Subject Number-<br>2 | Subject  |
|------------------------------|-------------------------------|--|
| 00                           |                               | GENERAL  |
|                              | 1                             | Definitions and Abbreviations  |
| 10                           |                               | PROCEDURAL RULES   |
|                              | 11                            | General Rule-Making Procedures   |
|                              | 13                            | Investigation and Enforcement Procedures                                   |
| 20                           |                               | AIRCRAFT   |
|                              | 21                            | Certification Procedures for Products and Parts                            |
|                              | 23                            | Airworthiness Standards: Normal, Utility, and Acrobatic Category Airplanes |
|                              | 25                            | Airworthiness Standards: Transport Category Airplanes                      |
|                              | 27                            | Airworthiness Standards: Normal Category Rotorcraft                        |
|                              | 29                            | Airworthiness Standards: Transport Category Rotorcraft                     |
|                              | 31                            | Airworthiness Standards: Manned Free Balloons                              |
|                              | 33                            | Airworthiness Standards: Aircraft Engines                                  |
|                              | 35                            | Airworthiness Standards: Propellers  |
|                              | 36                            | Noise Standards: Aircraft Type and Airworthiness Certification             |
|                              | 39                            | Airworthiness Directives   |
|                              | 43                            | Maintenance, Preventive Maintenance, Rebuilding and Alteration             |
|                              | 45                            | Identification and Registration Marking                                    |
|                              | 47                            | Aircraft Registration  |
|                              | 49                            | Recording of Aircraft Titles and Security Documents                        |
| 60                           |                               | AIRMEN   |
|                              | 61                            | Certification: Pilots and Flight Instructors                               |
|                              | 63                            | Certification: Flight Crewmembers Other Than Pilots                        |
|                              | 65                            | Certification: Airmen Other Than Flight Crewmembers                        |

| General Subject Number-<br>1 | Specific Subject Number-<br>2 | Subject  |
|------------------------------|-------------------------------|--|
|                              | 67                            | Medical Standards and Certification  |
| 70                           |                               | AIRSPACE   |
|                              | 71                            | Designation of Federal Airways, Area Low Routes, Controlled Airspace, and Reporting Points   |
|                              | 73                            | Special Use Airspace   |
|                              | 75                            | Establishment of Jet Routes and Area High Routes   |
|                              | 77                            | Objects Affecting Navigable Airspace   |
| 90                           |                               | AIR TRAFFIC AND GENERAL OPERATING RULES  |
|                              | 91                            | General Operating and Flight Rules   |
|                              | 93                            | Special Air Traffic Rules and Airport Traffic Patterns   |
|                              | 95                            | IFR Altitudes  |
|                              | 97                            | Standard Instrument Approach Procedures  |
|                              | 99                            | Security Control of Air Traffic  |
|                              | 101                           | Moored Balloons, Kites, Unmanned Rockets and Unmanned Free Balloons Subject  |
|                              | 103                           | Ultralight Vehicles  |
|                              | 105                           | Parachute Jumping  |
|                              | 107                           | Airport Security   |
|                              | 108                           | Airplane Operators Security  |
|                              | 109                           | Indirect Air Carrier Security  |
| 120                          |                               | AIR CARRIERS, AIR TRAVEL CLUBS, AND OPERATORS FOR COMPENSATION OR HIRE: CERTIFICATION AND OPERATIONS   |
|                              | 121                           | Certification and Operations: Domestic, Flag, and Supplemental Air Carriers and Commercial Operators of Large Aircraft                           |
|                              | 123                           | Certification and Operations: Air Travel Clubs Using Large Airplanes   |
|                              | 125                           | Certification and Operations: Airplanes Having a Seating Capacity of 20 or More Passengers or a Maximum Payload Capacity of 6,000 Pounds or More |

1--Based on FAR Subchapter Titles.

2--Based on FAR Part Titles, Excluding the 210 series.

| General Subject<br>Number- 1 | Specific Subject<br>Number- 2 | Subject   | General Subject<br>Number- 1   | Specific Subject<br>Number- 2 | Subject  |
|------------------------------|-------------------------------|---|--|-------------------------------|--|
| 127                          |                               | Certification and Operations of Scheduled Air Carriers with Helicopters                           | 189  |                               | Use of Federal Aviation Administration Communication System.                                       |
| 129                          |                               | Operations of Foreign Air Carriers  | 190  |                               | WITHHOLDING SECURITY INFORMATION; WAR RISK INSURANCE; AIRCRAFT LOAN GUARANTEE PROGRAM              |
| 133                          |                               | Rotorcraft External-Load Operations   | 191  |                               | Withholding Security Information from Disclosure Under the Air Transportation Security Act of 1974 |
| 135                          |                               | Air Taxi Operators and Commercial Operators   | 210  |                               | FLIGHT INFORMATION   |
| 137                          |                               | Agricultural Aircraft Operations and Operations:  | 211  |                               | Aeronautical Charts and Flight Information Publications  |
| 139                          |                               | Land Airports Serving CAB-Certificated Air Carriers   | 212  |                               | Publication Specifications--Charts-and Publications  |
| 140                          |                               | SCHOOLS AND OTHER CERTIFICATED AGENCIES   | <p>1--Based on FAR Subchapter Titles.<br/>2--Based on FAR Part Titles, Excluding the 210 series.</p> <p>Within the General Subject Number Areas, specific selectivity in advisory circular mail lists is available corresponding to the applicable FAR Parts. For example: under the 60 general subject area, separate mail lists for advisory circulars issued in the 61, 63, 65, or 67 series are available. An AC numbered "60" goes to all numbers in the 60 series--61, 63, 65, 67.</p> <p>c. Breakdown of subject numbers. When the volume of circulars in a series warrants a subsubject breakdown, the general number is followed by a slash and a subsubject number. Material in the 150 series, Airports, is issued under the following subsubjects:</p> |                               |  |
| 141                          |                               | Pilot Schools   | Number and Subject   |                               |  |
| 143                          |                               | Ground Instructors  | 150/1900   |                               | Defense Readiness Program.   |
| 145                          |                               | Repair Stations   | 150/4000   |                               | Resource Management.   |
| 147                          |                               | Aviation Maintenance Technician Schools   | 150/5000   |                               | Airport Planning.  |
| 149                          |                               | Parachute Lofts   | Number and Subject   |                               |  |
| 150                          |                               | AIRPORT NOISE COMPATIBILITY PLANNING  | 150/5020   |                               | Noise Control and Compatibility Planning for Airports.   |
| 151                          |                               | Federal Aid to Airports   | 150/5100   |                               | Federal-aid Airport Program.   |
| 152                          |                               | Airport Aid Program   | 150/5150   |                               | Surplus Airport Property Conveyance Programs.  |
| 153                          |                               | Acquisition of U.S. Land for Public Airports  | 150/5190   |                               | Airport Compliance Program.  |
| 154                          |                               | Acquisition of U.S. Land for Public Airports Under the Airport and Airway Development Act of 1970 | 150/5200   |                               | Airport Safety--General.   |
| 155                          |                               | Release of Airport Property from Surplus Property Disposal Restrictions                           | 150/5210   |                               | Airport Safety Operations (Recommended Training, Standards, Manning).                              |
| 157                          |                               | Notice of Construction, Alteration, Activation, and Deactivation of Airports                      |  |                               |  |
| 159                          |                               | National Capital Airports   |  |                               |  |
| 159/10                       |                               | Washington National Airport   |  |                               |  |
| 159/20                       |                               | Dulles International Airport  |  |                               |  |
| 169                          |                               | Expenditures of Federal Funds for Non-military Airports or Air Navigational Facilities Thereon    |  |                               |  |
| 170                          |                               | NAVIGATIONAL FACILITIES   | Number and Subject   |                               |  |
| 171                          |                               | Non-Federal Navigation Facilities   | 150/5020   |                               | Noise Control and Compatibility Planning for Airports.   |
| 180                          |                               | ADMINISTRATIVE REGULATIONS  | 150/5100   |                               | Federal-aid Airport Program.   |
| 183                          |                               | Representatives of the Administrator  | 150/5150   |                               | Surplus Airport Property Conveyance Programs.  |
| 185                          |                               | Testimony by Employees and Production of Records in Legal Proceedings                             | 150/5190   |                               | Airport Compliance Program.  |
| 187                          |                               | Fees  | 150/5200   |                               | Airport Safety--General.   |
|                              |                               |   | 150/5210   |                               | Airport Safety Operations (Recommended Training, Standards, Manning).                              |

- 150/5220 Airport Safety Equipment and Facilities.
- 150/5230 Airport Ground Safety System.
- 150/5240 Civil Airports Emergency Preparedness.
- 150/5300 Design, Construction, and Maintenance--General.
- 150/5320 Airport Design.
- 150/5325 Influence of Aircraft Performance on Aircraft Design.
- 150/5335 Runway, Taxiway, and Apron Characteristics.
- 150/5340 Airport Visual Aids.
- 150/5345 Airport Lighting Equipment.
- 150/5360 Airport Buildings.
- 150/5370 Airport Construction.
- 150/5380 Airport Maintenance.
- 150/5390 Heliports.
- 150/5900 Planning Grants for Airports.

**SERVICE INQUIRIES**

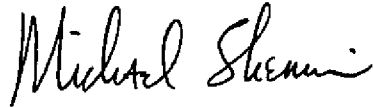
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Do not send initial orders or follow-up inquiries regarding unreceived orders to the Federal Aviation Administration. Inquiries should be addressed to the organization (Department of Transportation or Government Printing Office) with which you placed the original order.

**8. Reproduction of Advisory Circulars.** Advisory circulars may be reproduced in their entirety or in part without permission from the Federal Aviation Administration.

d. Individual circular identification numbers. Each circular has a subject number followed by a dash and a consecutive number identifying the individual circular. This consecutive number is not used again in the same subject series. Revised circulars have a letter A, B, C, etc., after the consecutive number to show complete revisions. Changes to circulars have Chg. 1, Chg. 2, Chg. 3, etc., after the identification number on pages that have been changed. The date on a revised page is changed to the date of the Change transmittal.

Michael D. Sherwin  
Director of Management Systems



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Mailing lists for Advisory Circulars are computerized. If errors in mailing occur, please notify Department of Transportation, Distribution Requirements Section, M-494-1, Washington, D.C. 20590.  
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**BE SURE TO ENCLOSE THE MAILING LABEL**  
from the shipment together with the Advisory Circular number(s) so that your listing can be corrected.  
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## APPENDIX I

## ADVISORY CIRCULAR CHECKLIST

## Important Notice

This Advisory Circular Checklist, AC 00-2, is no longer sent automatically to addressees on free advisory circular mailing lists. Persons not now receiving AC 00-2 but who wish to receive it must specifically request to be placed on the AC 00-2 mailing list (see par. 6 for ordering information). Up to ten copies may be sent to any one address. Persons receiving this edition of AC 00-2 need not request AC 00-2 mailing list service as they have already been transferred to the new list.

## SN Numbers

Superintendent of Documents stock numbers SN Numbers (SN) have been included to aid Superintendent of Documents personnel in processing orders. Please use them when ordering--along with the title and FAA AC number. To avoid unnecessary delays, do not order single-sales material and subscription sales material on the same order form, as orders are separated for processing by different departments when they arrive at Superintendent of Documents. Be sure your name and address appears on each list.

## Prices

Prices shown were in effect on the date indicated on this list. Government documents prices are subject to change without prior notice, therefore the price in effect when your order is processed will be the price charged for each publication ordered.

General  
Subject No. 00++00-22Z Advisory Circular Checklist  
(10-15-86). (AMS-420).

Transmits the revised checklist of current FAA advisory circulars as of October 15, 1986.

## 00-6A Aviation Weather (3-3-75). (AFS-200).

Provides an up-to-date and expanded text for pilots and other flight operations personnel whose interest in meteorology is primarily in its application to flying. (88.50 Supt. Docs.) SN 050-007-00283-1.

00-7A State and Regional Disaster Airlift  
(SARDA) Planning (6-3-74). (AVS-14).

Provides guidance for the development and implementation of State and Regional Disaster Airlift plans governing the use of general aviation aircraft during national emergencies and natural disasters.

## 00-7A Chg. 1 (1-6-77).

Transmits revised material consisting of procedural changes for insertion in the basic.

## 00-24B Thunderstorms (1-20-83). (AFS-260).

Describes the hazards of thunderstorms to aviation and offers guidance to help prevent accidents caused by thunderstorms.

00-25 Forming and Operating a Flying Club  
(3-24-69). (AVP-300).

Provides preliminary information that will assist anyone or any group of people interested in forming and operating a flying club (\$1.75 Supt. Docs.) SN 050-007-00065-1.

00-26 Definitions of "U.S. National Aviation  
Standards" (1-22-69). (APM-11).

Informs the aviation community of the approval by the FAA Administrator of a definition of U.S. National Aviation Standards, the need for such standards, and their relationship to the Federal Aviation Regulations.

00-30 Rules of Thumb for Avoiding or  
Minimizing Encounters with Clear Air  
Turbulence (3-5-70). (AFS-210).

Brings to the attention of pilots and other interested personnel, the "Rule of Thumb" for avoiding or minimizing encounters with clear air turbulence (CAT).

00-31A United States (U.S.) National Aviation  
Standard for the VOR/DME/TAC Systems  
(9-20-82). (AFS-310).

Informs the aviation community of the establishment and content of the United States (U.S.) National Aviation Standard for the Very High Frequency Omnidirectional Radio Range (VOR)/Distance Measuring Equipment (DME)/Tactical Air Navigation (TACAN) Systems.

00-32 Civil Air Patrol and State and Regional  
Defense Airlift Relationships (7-2-70).  
(AVS-14).

Advises interested persons of the Memorandum of Understanding between CAP and FAA, and provides additional guidance to further improve the use of nonaircarrier aircraft in time of national emergency.

00-33A Nickel-Cadmium Battery Operational,  
Maintenance, and Overhaul Practices  
(2-14-73). (AFS-340).

Provides guidelines for more reliable nickel-cadmium battery operation through proper operational and maintenance practices, and has been reissued to include reconditioning information.

++ Indicates new or changed material.

**00-34A Aircraft Ground Handling and Servicing (7-29-74). (AFS-340).**

Contains information and guidance for the servicing and ground handling of aircraft.

**00-41A FAA Quality Control System Certification Program (11-3-75). (ALG-400).**

Describes the FAA Quality Control System Certification Program and the mechanics of implementation. It is intended for guidance and information only.

**++00-44X Status of the Federal Aviation Regulations (7-1-86). (AGC-206).**

This circular sets forth the current publication status of Federal Aviation Regulations, any changes issued to date, and provides a price list.

**00-45C Aviation Weather Services (6-12-85). (AFS-200/ADL-15).**

Supplements AC 00-6A, Aviation Weather, in that it explains the weather service in general and the use and interpretation of reports, forecasts, weather maps, and prognostic charts in detail. (86-00 Supt. Docs.) SN 050-007-00705-1.

**00-46C Aviation Safety Reporting Program (2-4-85). (ASF-200).**

This circular describes the Federal Aviation Administration's Aviation Safety Reporting Program which utilizes the National Aeronautics and Space Administration (NASA) as a third party to receive and analyze Aviation Safety Reports. This cooperative safety reporting program invites users of the National Aviation System to report to NASA actual or potential discrepancies and deficiencies involving the safety of aviation operations.

**00-50A Low Level Wind Shear (1-23-79). (AFS-5).**

Provides guidance for recognizing the meteorological situations that produce the phenomenon widely known as low level wind shear.

**00-52 Ozone Irritation During High Altitude Flight (7-21-77). (AFS-210).**

Defines ozone irritation, discusses its causes and symptoms, and describes a means of dealing with the problem should it occur in flight.

**00-53 FAA Computer Software Quality Program (1-18-78). (ALG-410).**

Describes the FAA computer software quality program and the mechanics of implementation. For guidance and information only.

**Procedural**

**Subject No. 10**

**11-2A Notice of Proposed Rulemaking Distribution System (7-26-84). (AMS-420).**

Provides the public with information relative to participation in the FAA rulemaking process and explains the availability of the Notices.

**Aircraft  
Subject No. 20**

**20-3C Status and Availability of Military Handbooks and ANC Bulletins for Aircraft (6-1-73). (AWS-110).**

Announces the status and availability of Military Handbooks and ANC Bulletins prepared jointly with FAA, Navy, and Air Force.

**20-5E Plane Sense (6-25-81). (AVN-120).**

Provides general aviation information for the private aircraft owner and outlines requirements of owning and operating a personal type airplane.

**20-18A Qualification Testing of Turbo-jet Engine Thrust Reversers (3-16-66). (ANE-100).**

Discusses the requirements for the qualification of thrust reversers and sets forth an acceptable means of compliance with the tests prescribed in Federal Aviation Regulations, Part 33, then run under nonstandard ambient air conditions.

**++20-24B Qualification of Fuels, Lubricants, and Additives (12-20-85). (ANE-110).**

Provides acceptable procedures for approving the qualification of fuels, lubricants, and additives for use in certificated aircraft engines.

**20-27C Certification and Operation of Amateur-Built Aircraft (4-1-83). (AWS-203).**

Provides information and guidance relative to the airworthiness certification and operation of amateur-built aircraft.

**20-29B Use of Aircraft Fuel Anti-icing Additives (1-18-72). (ANE-100).**

Provides information on the use of anti-icing additives PFA-55MB and Mil-I-27686 as an acceptable means of compliance with the FARs that require assurance of continuous fuel flow under conditions where ice may occur in turbine aircraft fuel systems.

**20-30B Aircraft Position Light and Anticollision Light Installation (7-20-81). (AWS-130).**

Sets forth acceptable means, but not the only means, of showing compliance with the Federal Aviation Regulations (FAR) applicable to installed position lights and anticollision lights.

**20-32B Carbon Monoxide (CO) Contamination in Aircraft--Detection and Prevention (11-24-72). (AWS-140).**

Provides information on the potential dangers of carbon monoxide contamination from faulty engine exhaust systems or cabin heaters of the exhaust gas heat exchanger type.

**20-33B Technical Information Regarding Civil Aeronautics Manuals 1, 3, 4a, 4b, 5, 6, 7, 8, 9, 13 and 14 (5-1-75). (AWS-200).**

Advises the public that policy information contained in the subject Civil Aeronautics Manuals may be used in conjunction with specific sections of the Federal Aviation Regulations.



- 20-35C Tie-Down Sense (7-12-83). (AFS-340).  
Provides updated information of general use on aircraft tiedown techniques and procedures.
- 20-34D Prevention of Retractable Landing Gear Failures (8-8-80). (AFS-340).  
Updates statistical information related to landing accidents involving aircraft with retractable landing gear and suggests procedures to minimize those accidents.
- 20-35C Tie-Down Sense (7-12-83). (AFS-340).  
Provides updated information of general use on aircraft tiedown techniques and procedures.
- 20-36G Index of Articles (Materials, Parts, Processes and Appliances) Certified Under the Technical Standard Order System (7-16-85). (AVN-113).  
Lists the materials, parts, and appliances for which the Administrator has received statements of conformance under the Technical Standard Order system as of August 2, 1984. Such products are deemed to have met the requirements for FAA approval as provided in Part 21, Subparts N and O. (89.50 Supt. Docs.) SN 050-007-00710-8.
- 20-37C Aircraft Metal Propeller Blade Failure (7-15-80). (AFS-310).  
Provides information and suggested procedures to increase service life and to minimize blade failures of metal propellers.
- 20-38A Measurement of Cabin Interior Emergency Illumination in Transport Airplanes (2-8-66). (AVS-12).  
Outlines acceptable methods, but not the only methods, for measuring cabin interior emergency illumination on transport airplanes, and provides information as to suitable measuring instruments.
- 20-40 Placards for Battery-Excited Alternators Installed in Light Aircraft (8-11-65). (AWS-120).  
Sets forth an acceptable means of complying with placarding rules in Federal Aviation Regulations 23 and 27 with respect to battery excited alternator installations.
- 20-41A Substitute Technical Standard Order (TSO) Aircraft Equipment (4-5-77). (AWS-120).  
Sets forth an acceptable means for complying with rules governing aircraft equipment installations in cases involving the substitution of technical standard order equipment for functionally similar TSO approved equipment.
- 20-42C Hand Fire Extinguishers for use in Aircraft (3-7-84). (AFS-310).  
Provides methods acceptable to the Administrator for showing compliance with the hand fire extinguisher provisions in FAR 25, 29, 91, 121, 125, 127, and 135 and provides updated general information.
- 20-43C Aircraft Fuel Control (10-20-76). (AWS-120).  
Alerts the aviation community to the potential hazards of inadvertent mixing or contamination of turbine and piston fuels, and provides recommended fuel control and servicing procedures.
- 20-44 Glass Fiber Fabric for Aircraft Covering (9-3-65). (AWS-120).  
Provides a means, but not the sole means, for acceptance of glass fiber fabric for external covering of aircraft structure.
- 20-45 Safelying of Turnbuckles on Civil Aircraft (9-17-65). (AWS-110).  
Provides information on turnbuckle safelying methods that have been found acceptable by the FAA during past aircraft type certification programs.
- 20-47 Exterior Colored Band Around Exits on Transport Airplanes (2-8-66). (ANM-100).  
Sets forth an acceptable means, but not the only means, of complying with the requirement for a 2-inch colored band outlining exits required to be operable from the outside on transport airplanes.
- 20-48 Practice Guide for Decontaminating Aircraft (5-5-66). (AFS-330).  
The title is self-explanatory.
- 20-52 Maintenance Inspection Notes for Douglas DC-6/7 Series Aircraft (8-24-67). (Consolidated Reprint-- includes Change 1). (AFS-310).  
Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of DC-6/7 series aircraft.
- 20-53A Protection of Aircraft Fuel Systems Against Fuel Vapor Ignition Due to Lightning (4-12-85). (ACE-111).  
Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Parts 23 25 of the Federal Aviation Regulations (FAR) applicable to preventing ignition of fuel vapors due to lightning.
- 20-56A Marking of TSO-C72b Individual Flotation Devices (4-1-75). (AWS-120).  
Outlines acceptable methods for marking individual flotation devices which also serve as seat cushions.
- 20-57A Automatic Landing Systems (ALS) (1-12-71). (ANM-110).  
Sets forth an acceptable means of compliance, but not the only means, for the installation approval of automatic landing systems in transport category aircraft which may be used initially in Category II operations. Approval of these aircraft for use under such conditions will permit the accumulation of data for systems which may be approved for Category IIIa in the future.
- 20-59 Maintenance Inspection Notes for Convair 240, 340/440, 240T, and 340T Series Aircraft (2-19-69). (AFS-330).  
Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Convair 240, 340/440, 240T, and 340T series aircraft.
- 20-59 (chg. 1 (8-24-72)).  
Provides additional material for Convair Models 240 and 600/240D; Models 340/440 and 640/340D/440D series aircraft maintenance inspection programs.

- 20-60 Accessibility to Excess Emergency Exits (7-18-68). (ANM-110A).**  
Sets forth acceptable means of compliance with the "readily accessible" provisions in the Federal Aviation Regulations dealing with excess emergency exits.
- 20-62C Eligibility, Quality, and Identification of Approved Aeronautical Replacement Parts (8-26-76). (AFS-340).**  
Provides information relative to the determination of the eligibility of aeronautical parts and materials for installation on certificated aircraft.
- 20-64 Maintenance Inspection Notes for Lockheed L-188 Series Aircraft (8-1-69). (AWS-3).**  
Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Lockheed L-188 series aircraft.
- 20-64 Chg. 1 (10-26-73).**
- 20-65 U.S. Airworthiness Certificates and Authorizations for Operation of Domestic and Foreign Aircraft (8-11-69). (AWS-200).**  
Provides general information and guidance concerning issuance of airworthiness certificates for U.S. registered aircraft, and issuance of special flight authorizations for operation in the United States of foreign aircraft not having standard airworthiness certificates issued by the country of registry.
- 20-66 Vibration Evaluation of Aircraft Propellers (1-29-70). (ANE-100).**  
Outlines acceptable means, but not the sole means, for showing compliance with the requirements of the FARs concerning propeller vibration.
- +20-67B Airborne VHF Communications Equipment Installations (1-16-86). (AWS-120).**  
Sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne VHF communications equipment.
- 20-68B Recommended Radiation Safety Precautions for Ground Operation of Airborne Weather Radar (8-8-80). (AVN-112).**  
Sets forth recommended radiation safety precautions for ground operation of airborne weather radar.
- 20-69 Conspicuity of Aircraft Instrument Malfunction Indicators (5-14-70). (AWS-130).**  
Provides design guidance information on methods of improving conspicuity of malfunction indication devices.
- 20-71 Dual Locking Devices on Fasteners (12-8-70). (AWS-120).**  
Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the requirements for dual locking devices on removable fasteners installed in rotorcraft and transport category airplanes.
- 20-73 Aircraft Ice Protection (4-21-71). (AWS-140).**  
Provides information relating to the substantiation of ice protection systems on aircraft.
- 20-74 Aircraft Position and Anticollision Light Measurements (7-29-71). (AWS-130).**  
Contains useful information concerning measurements for intensity, covering, and color of aircraft position and anti-collision lights.
- 20-76 Maintenance Inspection Notes for Boeing B-707/720 Series Aircraft (10-21-71). (AFS-310).**  
Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-707/720 series aircraft.
- 20-77 Use of Manufacturers' Maintenance Manuals (3-22-72). (AFS-310).**  
Informs owners and operators about the usefulness of manufacturers' maintenance manuals for servicing, repairing, and maintaining aircraft, engines and propellers.
- 20-78 Maintenance Inspection Notes for McDonnell Douglas DC-8 Series Aircraft (7-11-72). (AVS-16).**  
Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the DC-8 series aircraft.
- 20-82 Maintenance Inspection Notes for Fairchild Hiller F-27/FH-227 Series Aircraft (12-5-72). (AVS-16).**  
Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of Fairchild Hiller F-27/FH-227 series aircraft.
- 20-82 Chg. 1 (7-12-73).**  
Provides additional material for subject advisory circular.
- 20-83 Maintenance Inspection Notes for Boeing B-737 Series Aircraft (1-17-73). (AFS-330).**  
Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-737 series aircraft.
- 20-83 Chg. 1 (8-8-74).**  
Provides updating of material for the B-737 series aircraft maintenance inspection program. Inspection of selected areas of the wing, fuselage, empennage and landing gear of B-737 series aircraft are presented supplementing information currently in AC 20-83.
- 20-83 Chg. 2 (1-31-75).**
- 20-84 Maintenance Inspection Notes for Boeing B-727 Series Aircraft (1-22-73). (AFS-5).**  
Provides inspection notes which can be used for the maintenance support program for certain structural parts of the B-727 series aircraft.

- 20-84 Chg. 1 (8-8-74).**  
Updates material for the B-727 series aircraft maintenance inspection program. Inspection of selected areas of the wing, fuselage, empennage and landing gear of the B-727 series aircraft are presented supplementing information currently available in AC 20-84.
- 20-84 Chg. 2 (1-31-75).**
- +20-88A Guidelines on the Marking of Aircraft Powerplant Instruments (Displays), (9-30-85). (ANM-112).**  
Provides revised guidelines on the marking of aircraft powerplant instruments and electronic displays (cathode ray tubes, etc.). These guidelines offer acceptable, but not exclusive, methods of compliance with the powerplant instrument color marking requirements. (81.50 Supt. Docs.) SN 050-007-00683-7.
- 20-94 Digital Clock Installation in Aircraft (3-4-76). (AFS-350).**  
Provides guidelines for operating and installing digital clocks in aircraft.
- 20-95 Fatigue Evaluation of Rotorcraft Structure (5-18-76). (ASW-100).**  
Sets forth acceptable means, not the only means, of compliance with the provisions of FAR sections 27.571 and 29.571 dealing with the fatigue evaluation of rotorcraft structure.
- 20-96 Surplus Military Aircraft--A Briefing for Prospective Buyers (12-2-76). (AWS-200).**  
Provides many answers to questions regarding the purchasing of surplus military aircraft (type certification, is the aircraft flyable, is it sold for spare parts, scrap?).
- 20-97 High-Speed Tire Maintenance and Operational Practices (1-28-77). (AFS-310).**  
Provides information on the causes of aircraft tire failures and methods of increasing tire reliability.
- 20-99 Antiskid and Associated Systems (5-27-77). (ANM-100).**  
Provides an acceptable means, but not the only means, of complying with the requirement that antiskid and associated systems must be designed so that no probable malfunction will result in a hazardous loss of braking or directional control of an airplane.
- 20-100 General Guidelines for Measuring Fire-Extinguishing Agent Concentrations in Powerplant Compartments (9-21-77). (AWS-140).**  
Describes the installation and use of a model GA-2A fire extinguisher agent concentration recorder in determining the distribution and concentration of fire-extinguishing agents when discharged in an aircraft powerplant compartment.
- 20-101B Omega and Omega/VLF Navigation Systems Approvals for Use in the Conterminous United States and Alaska (12-1-80). (AWS-110).**  
Presents an acceptable means of compliance--but not the only means--for the approval of Omega and Omega/Very Low Frequency (VLF) Navigation Airborne Equipment as a means of Visual Flight Rules (VFR)/Instrument Flight Rules (IFR)/Area Navigation (RNAV) en route navigation within the conterminous United States and Alaska. (81.75 Supt. Docs.) SN 050-007-00639-0.
- 20-103 Aircraft Engine Crankshaft Failure (3-7-78). (AFS-340).**  
Provides information and suggests procedures to increase crankshaft service life and to minimize failures.
- 20-104 Revised Powerplant Engineering Report No. 3, Standard Fire Test Apparatus and Procedure (for Flexible Hose Assemblies) (4-12-78). (AWS-140).**  
Announces the availability of the subject report.
- 20-105A Engine Power-Loss Accident Prevention (11-20-80). (AFS-343).**  
Advises of the circumstances surrounding engine power-loss accidents with recommendations on how those accidents may be prevented.
- 20-106 Aircraft Inspection for the General Aviation Aircraft Owner (April 1978). (AFS-340).**  
Describes techniques used in aircraft inspections. Designed to familiarize owner, pilots, student mechanics, and others with inspection procedures, it does NOT qualify an individual to make airworthiness determinations. (85-00 Supt. Docs.) SN 050-007-00449-4.
- 20-107A Composite Aircraft Structure (4-25-84). (AWS-103).**  
Sets forth an acceptable, but not the only, means of showing compliance with the provisions of FAR Parts 23, 25, 27, and 29 regarding airworthiness type certification requirements of composite aircraft structures involving fiber reinforced materials, e.g., carbon (graphite), boron, aramid (kevlar), and glass reinforced plastics. Guidance information is also presented on associated quality control and repair aspects.
- 20-108 Announcement of Availability--Report No. ASI20-73-2, Fatigue Evaluation of Wing and Associated Structure on Small Airplanes (7-17-78). (ACE-100).**  
Announces the availability of the subject report from the National Technical Information Service (NTIS), and provides ordering information. The report develops methods of fatigue evaluation which can be used to evaluate the adequacy of small structure from both a fail-safe and safe-life point of view.
- 20-109 Service Difficulty Program (General Aviation) (1-8-79). (AFS-310).**  
Describes the Service Difficulty Program as it applies to general aviation activities and provides instructions for completion of the Malfunction or Defect Report (M or D), FAA Form 8010-4.

**20-110C Index of Aviation Technical Standard Orders (5-13-86). (AUS-110).**

Describes the public procedure the FAA will use to develop and issue Technical Standard Orders for aeronautical products to be used on civil aircraft. Presents an index of current and proposed TSO's which contain the minimum performance standards for specified materials, parts, processes, and appliances used on civil aircraft.

**20-111 Communication Interference Caused By Unintentional Keyed Microphones (10-10-80). (AFS-350).**

Alerts the aviation community to the potential hazards created by unintentional keying of microphones resulting in radio transmissions from airborne, mobile, and ground based radio transmitters and gives guidance on alleviating ensuing hazards.

**20-112 Airworthiness and Operational Approval of Airborne Systems to be Used In Lieu of Ground Proximity Warning System (GPWS) (2-19-81). (AUS-130).**

Provides information and guidance regarding airworthiness and operational approval of airborne equipment/systems in accordance with FAR 135.153(b) and (c).

**20-113 Pilot Precautions and Procedures to be taken in Preventing Aircraft Reciprocating Engine Induction System & Fuel System Icing Problems (10-22-81). (ACE-100).**

Provides information pertaining to aircraft engine induction system icing and the use of fuel additives to reduce the hazards of aircraft operation that may result from the presence of water and ice in aviation gasoline and aircraft fuel systems.

**20-114 Manufacturers' Service Documents (10-22-81). (AUS-100).**

Suggests acceptable methods by which product manufacturers may indicate FAA approval of recommended actions prescribed in manufacturers' service documents.

**20-115A Radio Technical Commission for Aeronautics RTCA/D0-178A (8-12-86). (AUS-120).**

Calls attention to the Radio Technical Commission for Aeronautics (RTCA) Document D0-178A, "Software Considerations in Airborne Systems and Equipment Certification," issued March 1985, and discusses how the document may be applied with FAA Technical Standard Order (TSO), Type Certification and Supplemental Type Certification authorizations.

**20-116 Marking Aircraft Fuel Filler Openings With Color Coded Decals (9-17-82). (ACE-100).**

Discusses the conditions under which color coded decals may be used to comply with the requirements in FAR Parts 23, 25, 27, and 29 for marking fuel filler openings.

**20-117 Hazards Following Ground Deicing and Ground Operations in Conditions Conducive to Aircraft Icing (12-17-82). (AUS-3).**

Provides information on the identified hazards associated with ground deicing and ground operations in conditions conducive to aircraft icing.

**20-117 Chg. 1 (4-15-83).**

Corrects an error in Figure 3-2, Appendix 3, regarding the values of "TIME TO CRYSTALLIZATION (MIN)."

**20-118 Emergency Evacuation Demonstration From Small Airplanes (7-12-83). (ACE-111).**

Sets forth acceptable means, but not the only means, of showing compliance with the Federal Aviation Regulations (FAR) applicable to required emergency evacuation demonstrations from small airplanes with a passenger seating capacity, excluding pilot seats, of 10 or more.

**20-119 Fuel Drain Valves (2-7-83). (AUS-130).**

Provides an acceptable means, but not the only means, of compliance with the requirements of the FARs for positive locking of fuel drain valves in the closed position.

**20-120 Nondirectional Beacon Frequency Congestion (6-18-84). (AES-520).**

Recommends several actions that the user can take to alleviate problems of frequency congestion in the 190-535 kHz frequency range.

**20-121 Airworthiness Approval of Airborne Loran-C Systems for Use in the U.S. National Airspace System (8-23-84). (AFS-350).**

Establishes an acceptable means, but not the only means, of obtaining airworthiness approval of airborne Loran-C navigation systems for use under visual flight rules, and instrument flight rules as an area navigation system within the conterminous United States, Alaska, and surrounding U.S. waters.

**20-122 Anti-misfueling Devices: Their Availability and Use (10-5-84). (AFS-340).**

Explains the benefits of fitting reciprocating engine-powered general aviation aircraft with anti-misfueling devices and the fitting of fuel dispensing equipment with special fuel hose nozzle spouts.

**20-123 Avoiding Or Minimizing Encounters With Aircraft Equipped With Depleted Uranium Balance Weights During Accident Investigations (12-20-84). (AFS-330).**

Provides information and guidance to individuals who come in contact with depleted uranium contained in aircraft control surfaces during accident investigations.

**++20-124 Water Ingestion Testing for Turbine Powered Airplanes (9-30-85). (ANM-112).**

Describes a method of demonstrating compliance with the requirements of the FAR concerning the ingestion of water from the runway/taxiway surface into the airspeed system, the engine, and essential auxiliary power unit air inlet ducts of turbine engine powered airplanes.

**++20-125 Water in Aviation Fuels (12-10-85). (AFS-340).**

Alerts the aviation community to the potential hazards of water in aviation fuels. Additionally, it outlines recommended procedures to prevent, detect, and eliminate water in the fuel systems of aircraft.

- 21-18 Production Certificates (5-10-76).** (AWS-200).  
Provides information concerning Subpart G of Federal Aviation Regulations (FAR) Part 21, and sets forth acceptable means of compliance with its requirements.
- 21-2E Export Airworthiness Approval Procedures (5-18-81).** (AWS-200).  
This advisory circular provides general information and guidance concerning issuance of export approvals under Federal Aviation Regulations (FAR) Part 21, Subpart L. (86.00 Supt. Docs) SN 050-007-00644-6.
- 21-4B Special Flight Permits for Operation of Overweight Aircraft (7-30-69).** (AWS-200).  
Furnishes guidance concerning special flight permits necessary to operate an aircraft in excess of its usual maximum certificated takeoff weight.
- 21-5H Announcement of Availability--Summary of Supplemental Type Certificates 1984 Edition (4-25-84).** (AVN-113).  
Announces the availability to the public of a revised edition of the Summary of Supplemental Type Certificates (STC), dated April 1984.
- 21-6A Production Under Type Certificate Only (7-1-82).** (AWS-203).  
Provides information concerning Subpart F of FAR Part 21, and sets forth an acceptable means, not the sole means, of compliance with its requirements. (81.75 Supt. Docs.) SN 050-007-00636-5.
- 21-7A Certification and Approval of Import Products (11-24-69).** (AWS-200).  
Provides guidance and information relative to U.S. certification and approval of import aircraft, aircraft engines and propellers that are manufactured in a foreign country with which the United States has an agreement for the acceptance of those products for export and import.
- 21-7A Manufacturers Reporting Failures, Malfunctions, or Defects (5-26-82).** (AWS-203).  
Provides information to assist manufacturers of aeronautical products (aircraft, aircraft engines, propellers, appliances, and parts) in notifying the Federal Aviation Administration of certain failures, malfunctions, or defects, resulting from design or quality control problems, in the products which they manufacture.
- 21-10A Flight Recorder and Cockpit Voice Recorder Underwater Locating Devices (4-19-83).** (ANM-112).  
Suggests an acceptable means of showing compliance with the underwater locating device (ULD) requirements of the Federal Aviation Regulations (FAR) for recorder ULD's.
- 21-12 Application for U.S. Airworthiness Certificate, FAA Form 8130-6 (OMB 04-R0058) (1-17-73).** (AWS-202).  
Provides instructions on the preparation and submittal of subject form. (83.00 Supt. Docs.) SN 050-007-00637-3.
- 21-13 Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts (4-5-73).** (AWS-200).  
Provides guidance and instruction on establishing eligibility and submitting application for civil airworthiness certification of surplus military aircraft and aircraft assembled from spare and surplus parts, under FAR 21.183 (d) when an FAA Type Certificate has been issued under FAR 21.21 or FAR 21.27.
- 21-14 The Role of Simulation in the Aircraft Certification Process (6-12-75).** (AWS-110).  
Informs the aviation industry that the FAA intends to conduct an exploratory program to determine the degree to which simulation can support the aircraft certification process.
- +21-15E Announcement of Availability -- Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications (2/18/86).** (AVN-113).  
Provides information concerning the availability, price, and ordering instructions for the subject publications.
- 21-16B Radio Technical Commission for Aeronautics Document D0-1608 (10-9-84).** (AWS-120).  
Calls attention to the RTCA Document D0-1608, "Environmental Conditions and Test Procedures for Airborne Equipment" 7/20/84; and discusses how it may be used in connection with TSO authorizations; and advises how copies may be obtained.
- 21-17 Carriage of Cargo in Restricted Category Aircraft and Other Special Purpose Operations (3-15-82).** (AWS-206).  
Advises that the carriage of cargo in a restricted category aircraft is considered a restricted category special purpose operation and provides procedures for designating other special purpose operations under FAR 21.25(b) (7). (81.75 Supt. Docs.) SN 050-007-00638-1.
- 21-18 Bilateral Airworthiness Agreements (6-20-82).** (AWS-110).  
Makes available to interested persons copies of all current U.S. Bilateral Airworthiness Agreements (BAA) together with an explanation of their intent. (87.00 Supt. Docs.) SN 050-007-00614-4.
- 21-19 Installation of Used Engines In New Production Aircraft (4-26-82).** (AWS-200).  
Advises that under certain specified criteria, used engines may be used in new production aircraft.
- 21-20 Supplier Surveillance Procedures (7-22-82).** (AWS-200).  
Sets forth revised procedures concerning FAA surveillance of suppliers to U.S. holders of FAA production approvals, and advises as to optional procedures outside the provisions of bilateral airworthiness agreements pertaining to certification of foreign manufactured components.

- 21-21 Use Of Automobile Gasoline In Agricultural Aircraft (8-24-84). (AWS-200).**  
Sets forth acceptable conditions under which automobile gasoline (autogas) may be used in restricted category agricultural aircraft powered by Pratt and Whitney R-985 and R-1340 radial engines, and being used in agricultural operations under Federal Aviation Regulations Part 137.
- 21-22 Injury Criteria for Human Exposure to Impact (6/20/85). (AWS-120).**  
Describes a range of impact trauma which may be used to establish bases for acceptance levels or performance criteria in the evaluation of occupant survivability characteristics in civil aircraft.
- 21.23-1 Type Certification-Fixed-Wing Gliders (Sailplanes) (1-12-81). (AWS-120).**  
Provides criteria that may be used by an applicant in showing compliance with FAR 21.23(a) for the type certification of fixed-wing gliders (Sailplanes), including self-launching (powered) gliders.
- 21.303-1A Certification Procedures for Products and Parts (8-10-72). (AWS-200).**  
Provides information concerning section 21.303 of Federal Aviation Regulations, Part 21, and to set forth examples, as necessary, of acceptable means of compliance with its requirements.
- 21.303-2F Announcement of Availability--Parts Manufacturer Approvals--1984 (Microfiche) (1-22-85). (AVN-113).**  
Provides information concerning the availability, price, and ordering instructions for a 24 x microfiche listing of Parts Manufacturer Approvals which have been issued under the requirements of Part 21, Subpart K of the Federal Aviation Regulations. These approvals are of interest to mechanics, operators of repair stations, and others engaged in altering, inspecting, or maintaining aircraft. ("Parts Manufacturer Approvals" publication is \$23.00-- Domestic and \$28.75-- Foreign Supt. Docs. SN 050-007-00598-9).
- ++21.431-1A Designated Alteration Station Authorization Procedures (12-19-85). (AWS-110).**  
Updates the FAA Designated Alteration Station (DAS) authorization program; provides acceptable means of compliance with the DAS eligibility, personnel qualifications, and procedural requirements; provides information on FAA's participation in design change approval projects conducted under DAS procedures; and describes the FAA's DAS audit procedures.
- 23-2 Flammability Tests (8-20-84). (ACE-111).**  
Provides information and guidance concerning compliance with FAR Part 23 CAR Part 3 applicable to flammability tests for various materials, components, and electrical wire.
- 23-3 Structural Substantiation of Secondary Structures, (9-5-85).**  
Provides information and guidance concerning acceptable means, but not the only means, of demonstrating compliance with the requirements of Part 23 of the Federal Aviation Regulations (FAR) applicable to the structural substantiation of secondary structures such as fairings, cowlings, antennae, etc.
- 23-4 Static Strength Substantiation of Attachment Points for Occupant Restraint System Installations (6-20-86). (ACE-111).**  
Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Part 23 of the Federal Aviation Regulation (FAR) applicable to the static strength substantiation of the attachment points for occupant restraint system installations which have both a safety belt and shoulder harness.
- ++23-5 Cutouts in a Modified Fuselage of Small Airplanes (8-6-86). (ACE-111).**  
Provides information and guidance concerning acceptable means of compliance with Part 23 of the Federal Aviation Regulation (FAR) applicable to the structural substantiation of a fuselage modified by incorporation of large or small cutouts.
- ++23-6 Interpretation of Failure for Static Structural Test Programs (9-2-86). (ACE-111).**  
Provides information and guidance concerning the interpretation of failure for small airplanes for static structural test programs.
- 23.607-1 Self-Locking Nuts on Bolts Subject to Rotation (8-24-84). (ACE-111).**  
Provides information and guidance concerning compliance with Part 23 for self-locking nuts used on bolts subject to rotation in operation.
- 23.629-1A Means of Compliance with Section 23.629, "Flutter" (10-23-85). (ACE-111).**  
Presents information and guidance to provide one means, but not the only means, of complying with Section 23.629, Flutter (including flutter, airfoil divergence, and control reversal) of Part 23 of the Federal Aviation Regulations.
- 23.679-1 Control System Locks, 7-25-85). (ACE-111).**  
Provides methods acceptable to the Administrator for showing compliance with the provisions of section 23.679(a) of the Federal Aviation Regulations (FAR) or section 3.341(a) of the Civil Air Regulations (CAR), concerning the provisions of an unmistakable warning to the pilot when the control lock is engaged.
- 23.683-1 Control System Operations Test (9-25-84). (ACE-111).**  
Provides information and guidance concerning compliance with Part 23 applicable to control system operations tests.
- 23.729-1 Landing Gear Doors and Retraction Mechanism (3/26/84). (ACE-111).**  
Provides information and guidance concerning acceptable means, but not the only means, of compliance with Part 23 of the Federal Aviation Regulation (FAR) applicable to the structural substantiation to the loads resulting only from all yawing conditions for the landing gear doors and retraction mechanism of small airplanes.

- 23.807-1 Emergency Exits In Small Airplanes (9-7-83). (ACE-112).**  
Provides information and guidance regarding acceptable means of compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to the size and shape of the emergency exits in small airplanes.
- 23.807-2 Doors Between Pilot's Compartment and Passenger Cabin In Small Airplanes (9-22-83). (ACE-112).**  
Sets forth acceptable means, but not the only means, of showing compliance with Part 3 of the Civil Air Regulations (CAR) and Part 23 of the Federal Aviation Regulations (FAR) applicable to a door between pilot's compartment and passenger cabin in small airplanes.
- 23.807-3 Emergency Exits Openable From Outside For Small Airplanes (1-20-84). (ACE-111).**  
Provides information and guidance concerning external markings and identification of emergency exits which are openable from outside of the airplane.
- 23.909-1 Installation of Turbochargers in Small Airplanes with Reciprocating Engines. (2-3-86). (ACE-111).**  
Provides information and guidance concerning an acceptable means, but not the only means, of showing compliance with Part 23 of the Federal Aviation Regulations (FAR), applicable to approval procedures and installation of turbochargers in small airplanes. Accordingly, this material is neither mandatory nor regulatory in nature and does not constitute a regulation.
- 23.955-1 Substantiating Flow Rates and Pressures in Fuel Systems of Small Airplanes (6-10-85). (ACE-111).**  
Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Part 04a and Part 3 of the CAR and Part 23 of the Federal Aviation Regulations applicable to substantiating fuel flow rates and pressures in fuel systems of reciprocating and turbine-powered small airplanes.
- 23.959-1 Unusable Fuel Test Procedures For Small Airplanes (1-14-85). (ACE-111).**  
Sets forth an acceptable means, but not the only means, of showing compliance with the Federal Aviation Regulations (FAR) for determining unusable fuel supply during certification flight tests.
- 23.1011-1 Procedures For Determining Acceptable Fuel/Oil Ratio As Required By FAR 23.1011(b) (11-14-83). (ACE-111).**  
Provides an acceptable method of determining that the engine oil capacity is adequate to assure safe operation with the maximum fuel supply available.
- 23.1305-1 Installation of Fuel Flowmeters in Small Airplanes With Continuous-Flow, Fuel-Injection, Reciprocating Engines, (2-21-84). (ACE-111).**
- 23.1419-1 Certification of Small Airplanes for Flight in Icing Conditions (9-2-86). (ACE-111).**  
Sets forth an acceptable means, but not the only means, of demonstrating compliance with the ice protection requirements in Part 23 of the Federal Aviation Regulations (FAR). The Federal Aviation Administration will consider other methods of demonstrating compliance which an applicant may elect to present.
- 23.1521-1 Approval of Automobile Gasoline (Autogas) in Lieu of Aviation Gasoline (Avgas) in Small Airplanes With Reciprocating Engines (1-25-85). (ACE-111).**  
Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Part 3 of the Civil Air Regulations (CAR) and Part 23 of the Federal Aviation Regulations (FAR), applicable to approval procedures covering use of autogas in small airplanes.
- 25-4 Inertial Navigation Systems (INS) (ANM-100).**  
Sets forth an acceptable means for complying with rules governing the installation of inertial navigation systems in transport category aircraft.
- 25-5 Installation Approval on Transport Category Airplanes of Cargo Unit Load Devices Approved as Meeting the Criteria in NAS 3610 (6-3-70). (AWS-120).**  
Sets forth an acceptable means, but not the sole means, of complying with the requirements of the Federal Aviation Regulations (FAR's) applicable to the installation on transport category airplanes of cargo load devices approved as meeting the criteria in NAS 3610.
- ++25-7 Flight Test Guide for Certification of Transport Category Airplanes (4-9-86). (ANM-112).**  
Provides guidelines for the flight test evaluation of transport category airplanes. (35-00 Supt. Docs.) SN 050-007-00739-6.
- ++25-8 Auxiliary Fuel System Installations (5-2-86). (ANM-112).**  
Sets forth acceptable means, but not the sole means, by which compliance may be shown with auxiliary fuel system installation requirements in accordance with the Federal Aviation Regulations identified within. (33-00 Supt. Docs.) SN 050-007-00741-8.
- ++25-9 Smoke Detection, Penetration, and Evacuation Tests and Related Flight Manual Emergency Procedures (7-29-86). (ANM-112).**  
Provides guidelines for the conduct of certification tests relating to smoke detection, penetration, and evacuation and to evaluate related Airplane Flight Manual (AFM) procedures. These guidelines may be used to reduce the degree of subjective judgement needed in conducting tests and evaluating test results. While not mandatory this AC offers a method of demonstrating compliance with the applicable airworthiness requirements.
- 25.253-1A High-Speed Characteristics (12-27-76). (ANM-110A).**  
Sets forth an acceptable means, but not the only means, by which compliance may be shown with FAR 25.253 during certification flight tests.

- ++25.571-1A Damage-Tolerance and Fatigue Evaluation of Structure (3-5-86). (ANM-110).**  
Sets forth an acceptable means of compliance with provisions of Part 25 of the Federal Aviation Regulations dealing with the dealing with the damage-tolerance and fatigue evaluation certification requirements of aircraft structure.
- 25.629-1 Flutter Substantiation of Transport Category Airplanes (1-4-85). (ANM-111).**  
Provides guidance material for demonstrating compliance with the provisions of Part 25 of the Federal Aviation Regulations dealing with the design requirements for transport category airplanes to preclude flutter and other aeroelastic phenomena.
- 25.672-1 Active Flight Controls (11-15-83). (ANM-110B).**  
Sets forth an equivalent means of complying with the provisions of Part 25 of the Federal Aviation Regulations (FAR) pertaining to the certification requirements of active flight controls. The procedures set forth herein apply to load alleviation systems (LAS), stability augmentation systems (SAS), and flutter suppression systems (FSS). These procedures provide compliance with Part 25 under the equivalent safety provisions of Section 21.21(b)(1) in addition to compliance with the applicable sections of Part 25.
- 25.785-1 Flight Attendant Seat Requirements (12-4-81). (AUS-120).**  
Provides information and guidance regarding acceptable means of compliance with FARs 25.785 and 121.311, and explains the approach to be used by the FAA in establishing design criteria for flight attendant seats and galley equipment.
- ++25.812-1 Floor Proximity Emergency Escape Path Marking (9/30/85). (ANM-110).**  
Provides guidance material for use in demonstrating compliance with the provisions of Part 25 of the FAR requiring floor proximity emergency escape path markings.
- ++25.853-1 Flammability Requirements for Aircraft Seat Cushions (9-17-86). (ANM-110).**  
Provides guidance material for demonstrating compliance with the Federal Aviation Regulations (FAR) pertaining to flammability of aircraft seat cushions.
- ++25.939-1 Evaluating Turbine Engine Operating Characteristics (3/19/86). (ANM-112).**  
Provides guidelines for the evaluation of turbine engine (turbojet, turboprop, and turboshaft) operating characteristics for subsonic transport category airplanes.
- 25.981-1A Guidelines for Substantiating Compliance With the Fuel Tank Temperature Requirements (1-20-71). (AUS-110E).**  
Sets forth some general guidelines for substantiating compliance with fuel tank temperature airworthiness standards section 25.981.
- ++25.994-1 Design Considerations to Protect Fuel Systems During a Wheel-Up Landing (7-24-86). (ANM-111).**  
Presents guidelines and methods for complying with the requirements of section 25.994 of the Federal Aviation Regulations (FAR). These guidelines pertain to protecting fuel system components located in the engine nacelles and the fuselage from damage which could result in spillage of enough fuel to constitute a fire hazard as a consequence of a wheels-up landing on a paved runway. This material is not mandatory and does not constitute a regulation.
- 25.1309-1 System Design Analysis (9-7-82). (AUS-111).**  
Provides guidance material for acceptable means, but not the only means, of demonstrating compliance with the requirements of Part 25 of the Federal Aviation Regulations which includes probabilistic terms, as introduced by Amendment 25-23, for airplane equipment, systems, and installations.
- 25.1329-1A Automatic Pilot Systems Approval (7-8-88). (ANM-110A).**  
Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 25.1329 may be shown.
- 25.1455-1 Waste Water/Potable Water Drain System Certification (3-11-85). (ANM-112).**  
Sets forth a specific method of compliance with the requirements of section 25.1455 of the FAR pertaining to draining of fluids through drain masts when the fluids are subject to freezing. This method is designed to verify that draining fluids will not accumulate as ice in sufficient quantity to be hazardous. Is for guidance purposes and to set forth one method of compliance that has been found acceptable.
- 25.1457-1A Cockpit Voice Recorder Installations (11-3-89). (ANM-110A).**  
Sets forth one acceptable means of compliance with provisions of FAR 25.1457 (b), (e), and (f) pertaining to area microphones, cockpit voice recorder location, and erasure features.
- 27-1 Certification of Normal Category Rotorcraft (8/29/85). (ASW-110).**  
Consolidates FAA guidance on the certification of normal category rotorcraft. Serves as a ready reference to manufacturers, modifiers, FAA design evaluation engineers, flight test engineers, and engineering flight test pilots. Covers policy methods of compliance with Part 27 of the FAR which contains airworthiness standards for normal category rotorcraft. It includes methods of compliance in the areas of basic design, ground tests, and flight tests. (810.00 Supt. Docs.) SN 050-007-00708-6.
- 29-1 Approval Basis for Automatic Stabilization Equipment (ASE) Installations in Rotorcraft (12-26-83). (AUS-160).**  
Gives means for compliance with flight requirements in various CAR's.
- 29-1 Chg. 1 (3-26-84).**  
Transmits revised information about the time delay of automatic stabilization equipment.



**29-2 Certification Of Transportation Category Rotorcraft (5-20-83). (ASW-110).**

Consolidates FAA guidance on the certification of transport category rotorcraft. In the effort to achieve standardization in rotorcraft certification, serves as a ready reference for manufacturers, modifiers, FAA design evaluation engineers, flight test engineers, and engineering flight test pilots. Covers policy on methods of compliance with Part 29 of Subchapter C, Chapter I, Title 14 of the Code of Federal Regulations, which contains the airworthiness standards for transport category rotorcraft. Includes methods of compliance in the areas of basic design, ground tests, and flight tests.

**29-2 Chg. 1 (11-19-84).**

Revises 3 existing paragraphs and adds 60 new paragraphs previously shown as revised. AC 29-2 consolidates FAA guidance on the certification of transport category rotorcraft. In the effort to achieve standardization in certification, AC 29-2 services as a ready reference to manufacturers, modifiers, FAA design evaluation engineers, flight test engineers, and engineering flight test pilots. It covers policy on methods of compliance with Part 29 of the FAR, which contains airworthiness standards for transport category rotorcraft. It includes methods of compliance in the areas of basic design, ground tests, and flight tests.

**29-2 Chg. 2 (5/28/85).**

Revises 8 existing paragraphs and adds 24 new paragraphs perviously shown as reserved.

**29.773-1 Pilot Compartment View (1-19-86). (ASW-100).**

Sets forth acceptable means, not the sole means, by which compliance with FAR 29.773 (a) (1), may be shown.

**33-1B Turbine-Engine Foreign Object Ingestion and Rotor Blade Containment Type Certification Procedures (4-22-70). (ANE-100).**

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the design and construction requirements, of Part 33 of the Federal Aviation Regulations.

**33-2A Aircraft Engine Type Certification Handbook (6-5-72). (ANE-105).**

Contains guidance relating to type certification of aircraft engines which will constitute acceptable means, although not the sole means, of compliance with the Federal Aviation Regulations.

**33-3 Turbine and Compressor Rotors Type Certification Substantiation Procedures (9-9-68). (ANE-100).**

Sets forth guidance and acceptable means, not the sole means, by which compliance may be shown with the turbine and compressor rotor substantiation requirements in FAR Part 33.

**33-4 Design Considerations Concerning The Use Of Titanium In Aircraft Turbine Engines (7-28-83). (ANE-110).**

Provides guidance and acceptable means,

not the sole means, by which compliance may be shown with the design requirements of Part 33 to minimize the probability of the occurrence of an internal fire when titanium is used in aircraft turbine engines.

**++33.65-1 Surge and Stall Characteristics of Aircraft Turbine Engines, 12/6/85. (ANE-110).**

Provides guidance material for acceptable means of demonstrating compliance with the requirements of Part 33 of the Federal Aviation Regulations (FAR) relative to surge and stall characteristics and thrust response of turbine engines. These guidelines do not constitute a regulation and are therefore not mandatory.

**++3b-1D Certificated and International Airplane Noise Levels (11-4-85). (AEE-110).**

Provides noise level data for airplanes certificated under FAR Part 3b since its publication on November 18, 1969. Noise level data for international airplanes certificated to ICAO Annex 1b standards are also provided for informational purposes.

**3b-2C Measured or Estimated (Uncertificated) Airplane Noise Levels (2-12-86). (AEE-110).**

Provides estimates of noise levels or measured noise levels from airplanes not certificated to FAR Part 3b.

**++3b-3C Estimated Airplane Noise Levels in A-Weighted Decibels (3-27-86). (AEE-110).**

Provides listings of estimated airplane noise levels in units of A-Weighted Sound Level in decibels (dBA), ranked in descending order for the conditions and assumptions described in this advisory circular. This information is provided both for aircraft that have been noise type certificated under FAR Part 3b and for aircraft for which no such requirement currently exists.

**++3b-4A Noise Certification Test And Analysis Procedures (1-21-86). (AEE-110).**

Presents test and analysis procedures that have been determined to be technically acceptable means for demonstrating compliance with FAR Part 3b noise certification requirements for subsonic turbojet aircraft.

**37-2A Test Procedures for Maximum Allowable Airspeed Indicators (10-22-74). (AWS-130).**

Provides guidance concerning test procedures which may be used in showing compliance with the standards in FAR 37.145 (TSO-C46a).

**39-1A Jig Fixtures; Replacement of Wing Attach Angles and Doublers on Douglas Model DC-3 Series Aircraft Airworthiness Directive 66-18-2 (3-5-70). (AFS-340).**

Describes methods of determining that jig fixtures used in the replacement of the subject attached angles and doublers meet the requirements of Airworthiness Directive 66-18-2.

**++39-bL Announcement of Availability--Summary of Airworthiness Directives (3-14-86). (AVN-113).**

Provides information concerning how to obtain the latest edition of subject publication.

- 39-7A Airworthiness Directives for General Aviation Aircraft (9-17-82).** (AFS-310).  
Provides guidance and information to owners and operators of general aviation aircraft concerning their responsibility for complying with airworthiness directives (AD's) and recording AD compliance in the appropriate maintenance records.
- 43-28 Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments (10-16-80).** (AFS-343).  
Provides guidance material which may be used to determine the adequacy of barometers used in the calibration of aircraft static instruments and presents information concerning the general operation, calibration, and maintenance of such barometers.
- 43-3 Nondestructive Testing in Aircraft (5-11-73).** (AFS-330).  
Reviews the basic principles underlying nondestructive testing. (M4.50 Supt. Docs.) SN 5007-00208-4.
- 43-4 Corrosion Control for Aircraft (5-15-73).** (AFS-310).  
Summarizes current available data regarding identification and treatment of corrosive attack on aircraft structure and engine materials.
- 43-4 Chg. 1 (3-1-74).**  
Provides additional information on identification and treatment of corrosion attack on aircraft structures. Adds a new Chapter 14--Corrosion control of Aircraft used in agricultural cropdusting operations.
- 43-4 Chg. 2 (10-8-74).**  
Clarifies the discussion on the removal of corrosion and treatment of corroded areas.
- 43-6A Automatic Pressure Altitude Encoding Systems and Transponders Maintenance and Inspection Practices (11-11-77).** (AFS-310).  
Provides information on the installation encoding altimeters based upon recently acquired operating experience and on the maintenance of ATC transponders.
- 43-7 Ultrasonic Testing for Aircraft (9-24-74).** (AFS-310).  
Describes methods used in ultrasonic nondestructive testing, discusses the many advantages, and points out the simplicity of the tests. Contains many illustrations (M1.75 Supt. Docs.) SN 050-007-00282-3.
- 43-9B Maintenance Records (1-9-84).** (AFS-310).  
Discusses maintenance record requirements under FAR's 43.9, 43.11, and 91.173 and the related responsibilities of owners, operators, and persons performing maintenance, preventive maintenance, and alterations.
- 43-10A Mechanical Work Performed on U.S. and Canadian registered Aircraft (2-25-83).** (AFS-310).  
Provides updated information and guidance to aircraft owners/operators and maintenance personnel concerning mechanical work performed on U.S. registered aircraft by Canadian maintenance personnel and on Canadian registered aircraft by U.S. maintenance personnel.
- 43-11 Reciprocating Engine Overhaul Terminology and Standards (4-7-76).** (AFS-310).  
Discusses engine overhaul terminology and standards that are used by the aviation industry.
- 43-12A Preventive Maintenance (10-28-83).**  
Provides information concerning preventive maintenance, who may perform it, the standards of performance applicable to it, authority for approving aircraft for return to service, and the applicable recording requirements. It also clarifies those areas most frequently misunderstood in the past, and explains the recent changes in the rules concerning preventive maintenance.
- 43-14 Maintenance of Weather Radar Radomes (2-24-77).** (AFS-310).  
Provides guidance material useful to repair facilities in the maintenance of weather radomes.
- 43-15 Recommended Guidelines for Instrument Shops (8-15-77).** (AFS-350).  
Provides guidelines concerning environmental conditions for instrument repair and overhaul shops and information on calibration of test equipment.
- 43-16 General Aviation Airworthiness Alerts.** (AVN-110).  
Issued monthly, the General Aviation Airworthiness Alerts are prepared from information submitted by persons who operate and maintain civil aeronautical products. The alerts provide a uniform means through which service experience may be interchanged, thereby improving the service reliability of aeronautical products. The alerts are sent automatically by FAA to MECHANICS WITH AN Inspection Authorization, repair stations, air taxi operators, aviation maintenance technician schools, Designated Parachute Rigger Examiners, Designated Mechanic Examiners, Designated Manufacturing Inspection Representatives, and Designated Engineering Representatives. Therefore, these persons need not request inclusion on the AC 43 mailing list. Alerts distributed by the AC 43 mailing list are limited to one copy each.  
Back issues of the alerts are not in stock but may be requested for the previous one year period at a charge of \$1.00 each from: U.S. Department of Transportation, Federal Aviation Administration, Flight Standards National Field Office, AVN-110, P.O. Box 26460, Oklahoma City, Oklahoma 73125. Make check or money order payable to Treasurer of the United States.
- 43-17 Methods, Techniques, and Practices Acceptable to the Administrator Governing the Installation, Removal, or Changes of Identification Data and Identification Plates (9-5-79)** (AFS-340).  
Provides information and guidance concerning the installation, removal, or change of identification data and identification plates on aircraft, aircraft engines, propellers, and propeller blades and hubs.

- 43.9-1D Instructions for Completion of FAA Form 337 (OMB 04-R0060), Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance) (9-5-79). (AFS-310).**  
Provides instructions for completing FAA Form 337 which provides aircraft owners and operators with a record of major repairs or alterations (indicating details and approval) and provides FAA with a copy of the form for inclusion in the aircraft records.
- 43.13-1A Acceptable Methods, Techniques and Practices--Aircraft Inspection and Repair (4-17-72). (AFS-340).**  
Contains methods, techniques, and practices acceptable to the Administrator for inspection and repair to civil aircraft. Published in 1973. (Consolidated reprint incorporates Changes 1 and 2.) (88.00--Supt. Docs.) SN 050-007-00461-3.
- 43.13-2A Acceptable Methods, Techniques, and Practices--Aircraft Alterations (6-9-77). (Includes Chg. 1). (AFS-340).**  
Contains methods, techniques, and practices acceptable to the Administrator for use in altering civil aircraft. (85.50 Supt. Docs.) SN 050-007-00625-0.
- 43-203B Altimeter and Static System Tests and Inspections (6-20-79). (AFS-350).**  
Contains acceptable methods for testing altimeters and static systems. Also provides general information concerning the test equipment used and precautions to be taken when performing such tests.
- 45-2 Identification and Registration Marking (7-7-72). (AWS-200).**  
Provides guidance and information concerning the identification and marking requirements of Federal Aviation Regulations (FAR) Parts 21 and 45, and where considered helpful, to provide an acceptable means, but not the sole means, of compliance with the regulations.
- ++45-3 Installation, Removal, or Change of Identification Data and Identification Plates on Aircraft Engines, (11/6/85). (AWS-206).**  
Provides information and guidance concerning the installation, removal, or change of identification data and identification plates on aircraft engines, and identifies an acceptable means, but not the only means, of compliance with FAR Part 45.
- 60-4A Pilot's Spatial Disorientation (2-9-83). (AFS-5).**  
Acquaints pilots with the hazards of disorientation caused by loss of visual reference with the surface.
- 60-6B Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards--Airplanes (9-25-80). (AFS-5).**  
Calls attention to the regulatory requirements relating to the subject and provides information to aid pilots to comply with these requirements.
- 60-11A Aids Authorized for Use by Airman Written Test Applicants (12-14-79). (AFS-5).**  
Clarifies FAA policy concerning aids that applicants may use when taking airman written tests.
- Airmen**
- Subject No. 60**
- 60-12 Availability of Industry-Developed Guidelines for the Conduct of the Biennial Flight Review (2-11-76). (AFS-5).**  
Informs all FAA certificated flight instructors of the availability of, and how to obtain, the industry-developed guidelines for the conduct of the Biennial Flight Review.
- 60-13 The Accident Prevention Counselor Program (4-27-76). (AFS-5).**  
Provides information to acquaint the general aviation counselor community with the accident prevention counselor program and outlines the ways the accident prevention counselor force enhances aviation safety.
- 60-14 Aviation Instructor's Handbook (7-7-76). (AFS-820).**  
Provides the aviation instructor with comprehensive, accurate, and easily understood information on learning and teaching and to relate this information to students. Cancels AC 61-16A. (86.00 Supt. Docs.) SN 050-011-00072-1.
- 60-16 Announcement of Availability: -- FAA-P-8080.1, IFR and VFR Pilot EXAM-O-GRAMS (9-4-80). (AVN-112).**  
Announces the availability of subject exam-o-grams to the public through the Superintendent of Documents.
- 60-17A New Airman Written Test System (12-29-83). (AVN-132).**  
Announces the implementation of a new system for administering FAA written tests to pilot, aviation mechanic, flight instructor, ground instructor, flight engineer, flight navigator, and aircraft dispatcher applicants.
- 60-18 Transition Period For FAA Airman Written Tests And Unused Test Items (12-3-84). (AVN-130).**  
Announces a transition period during which an applicant may request to take a written test under either the old or new testing system and lists test questions under the new system which are not used and need not be studied by the applicant.
- 60-19 Announcement of Availability: New Series Test Question Books (4-1-86). (AVN-132).**  
Announces the availability of the new series written test question books for use in the airman certification program.
- 61-9B Pilot Transition Courses for Complex Single Engine and Light, Twin-Engine Airplanes (1-15-74). (AVN-112).**  
A guide to the procedures and standards to be followed for a thorough and comprehensive checkout in modern single- and twin-engine aircraft. (83.00 Supt. Docs.) SN 050-007-00226-2.
- 61-10A Private and Commercial Pilots Refresher Courses (9-27-72). (AVN-112).**  
Provides a syllabus of study requirements and describes the areas of training that should be emphasized. (83.75 Supt. Docs.) SN 050-011-00068-7.

- 61-12J Student Pilot Guide (Revised 1979).** (AVN-112).  
Provides guidance for student pilots and those already in primary flight training. (#4.25 Supt. Docs.) SN 050-007-00476-1.
- 61-13B Basic Helicopter Handbook (Revised 1978).** (AVN-130).  
Provides detailed information to applicants preparing for private, commercial, and flight instructor pilot certificates with a helicopter rating; includes helicopter aerodynamics, performance, and flight maneuvers. It will also be useful to certificated helicopter flight instructors as an aid in training students. (#5.50 Supt. Docs.) SN 050-011-00074-7.
- 61-21A Flight Training Handbook (Revised 1980),** (with Errata Sheet). (AFS-824).  
Provides information and direction in the introduction and performance of training maneuvers for student pilots, pilots requalifying or preparing for additional ratings, and flight instructors. (#9.00 Supt. Docs.) SN 050-007-00504-1.
- 61-23B Pilot's Handbook of Aeronautical Knowledge (4-3-79).** (AVN-100).  
Contains essential, information used in training and guiding applicants for pilot certification, flight instructors, and flying school staffs. (#10.00 Supt. Docs.) SN 050-011-00077-7.
- 61-27C Instrument Flying Handbook (11-5-79).** (AVN-100).  
Provides the pilot with basic information needed to acquire an FAA instrument rating. It is designed for the reader who holds at least a private pilot certificate and is knowledgeable in all areas covered in the "Pilot's Handbook of Aeronautical Knowledge", AC 61-23B. (#8.50 Supt. Docs.) SN 050-007-00585-7.
- 61-47A Use of Approach Slope Indicators for Pilot Training (3-26-79).** (AFS-840).  
Informs pilot schools, flight instructors and student pilots of the recommendation of the Federal Aviation Administration on the use of approach slope indicator systems for pilot training.
- 61-56A Flight Test Guide, Instrument Pilot Airplane (5-7-76).** (AVN-132).  
Assists the applicant and the instructor in preparing for the flight test for the Instrument Pilot Airplane Rating. (#3.75 Supt. Docs.) SN 050-007-00343-9.
- 61-57A Type Rating, Airplane, Flight Test Guide (5-1-75).** (AVN-132).  
Contains information and guidance concerning the pilot operations, procedures, and maneuvers relevant to the flight test required for an Airplane Type Rating. (#4.25 Supt. Docs.) SN 050-007-00299-8.
- 61-58A Flight Instructor Practical Test Guide (Revised 1978).** (AVN-110).  
Assists instructor applicants in preparing for the Flight Instructor Practical Test. (#3.50 Supt. Docs.) SN 050-011-00076-3.
- 61-64A Flight Test Guide--Instrument Pilot Helicopter (5-25-77).** (AVN-110).  
Assists the applicant and the instructor in preparing for the flight test for the instrument Pilot Helicopter Rating. Contains information and guidance concerning the pilot operations, procedures, and maneuvers relevant to the flight test. (#1.75 Supt. Docs.) SN 050-007-00404-4.
- 61-65B Certification: Pilot and Flight Instructors (8-6-84).** (AFS-840).  
Provides information on standards and procedures that may be applied to satisfy the certification and currency requirements of Part 61. The advisory circular is intended as general information and guidance for pilots and flight instructors.
- 61-66 Annual Pilot in Command Proficiency Checks (11-2-73).** (AFS-840).  
Presents material relating to annual proficiency checks required for pilots-in-command of civil aircraft type certificated for more than one required pilot crewmember, other than those operating under Parts 121, 123, 127, 133, 135, and 137.
- 61-67A Hazards Associated with Spins in Airplanes Prohibited from Intentional Spinning (10-8-82).** (AFS-840).  
Informs pilots of the airworthiness standards for the type certification of small airplanes prescribed in FAR 23.221 concerning spin maneuvers. Emphasizes the importance of observing restrictions which prohibit the intentional spinning of certain airplanes. Recommends specific flight operations procedures to reduce the probability of entering an inadvertent spin during the performance of stall entries and recoveries.
- 61-77 Airline Transport Pilot Airplane Practical Test Guide (Part 61 Revised) (4-23-74).** (AVN-12).  
Designed to assist the applicant and his instructor in preparing for the Airline Transport Pilot Certificate with an Airplane Rating under FAR Part 61 (revised). (#4.25 Supt. Docs.) SN 050-007-00257-2.
- 61-82 Airline Transport Pilot--Helicopter--Flight Test Guide (8-25-76).** (AVN-132).  
Describes procedures and maneuvers relevant to the ATP Certificate--Helicopter--that is limited to VFR and that which is not limited to VFR. Includes a suggested flight test checklist. (#2.50 Supt. Docs.) SN 050-007-00358-7.
- 61-83B Nationally Scheduled (FAA) Approved, Industry-Conducted Flight Instructor Refresher Clinics (7-6-84).** (AFS-840).  
Provides guidance on the preparation and approval of a training course outlined (TCO) for an industry-conducted Flight Instructor Refresher Clinic (FIRC) and sets forth guidelines to assist qualified sponsors/ organizations in obtaining approval for the use of a designated Airman Certification Representative (ACR) employed solely by the FIRC sponsor.

- b1-84B Role of Preflight Preparation** (3-18-85). (AFS-840).  
Modifies and updates the flight information available to pilots as a result of changes in the basic Airmen Information Manual format.
- b1-87A Pilot Certificates: Aircraft Type Ratings** (12-22-81). (AFS-840).  
Provides pilot certificate designations adopted by the FAA for aircraft type ratings. It incorporates all revisions to previous listings, including new designations for aircraft type certificated as of November 1981.
- b1-91D Pilot Proficiency Award Program** (8-10-84). (AFS-806).  
Describes the Pilot Proficiency Award Program, outlines the eligibility requirements. Includes the new requirements for the Phase V award.
- b1-92 Use of Distractions During Pilot Certification Flight Tests** (1-25-80). (AFS-5).  
Announces the FAA's policy of incorporating into all flight tests the use of certain distractions during the performance of flight test maneuvers.
- b1-93 Replacing the Flight Test Guides With Practical Test Standards** (3-27-84). (AVN-131).  
Informs the aviation industry and interested individuals of the cancellation of the flight test guide publications in the advisory circular system which will be replaced by a new system of practical test standards publications and to explain the concept and format of these standards.
- b1-94 Pilot Transition Course For Self-Launching Or Powered Sailplanes** (Motorgliders) (7-31-84). (AFS-840).  
Provides recommendations, but is not the only means, that may be used by glider pilots who desire to transition into sailplanes or gliders with self-launching capability.
- b1-95 Announcement of Availability: FAA-S-8081, Private Pilot Practical Test Standards** (8-22-84). (AVN-131).  
Announces the availability of the new Private Pilot Practical Test Standards from the Superintendent of Documents.
- b1-96 Announcement of Availability: FAA-S-8081-2, Commercial Pilot Practical Test Standards**, (7/22/85). (AVN-131).  
Announces the availability of the new Commercial Pilot Practical Test Standards from the Superintendent of Documents.
- b5-2D Airframe and Powerplant Mechanics Certification Guide** (1-30-76). (AFS-340).  
Provides information to prospective airframe and powerplant mechanics and other persons interested in FAA certification of aviation mechanics. (\$5.00 Supt. Docs.) SN 050-007-00331-5.
- b5-5A Parachute Rigger--Senior/Master--Certification Guide** (12-20-74). (AFS-340).  
Provides information on how to apply for a parachute rigger certificate or rating and assists the applicant in preparing for the written, oral, and practical tests. (\$1.75 Supt. Docs.) SN 050-007-00287-4.
- b5-9A Airframe and Powerplant Mechanics--General Handbook** (4-12-76). (AFS-340).  
Designed as a study manual for persons preparing for a mechanic certificate with airframe or powerplant ratings. Emphasis in this volume is on theory and methods of application, and is intended to provide basic information on principles, fundamentals, and airframe and powerplant ratings. (\$18.00 Supt. Docs.) SN 050-007-00379-0.
- b5-11A Airframe and Powerplant Mechanics Certification Information** (4-21-71). (AFS-340).  
Provides answers to questions most frequently asked about Federal Aviation Administration certification of aviation mechanics. (\$1.75 Supt. Docs.) SN 050-007-00171-1.
- b5-12A Airframe and Powerplant Mechanics Powerplant Handbook** (4-12-76). (AFS-340).  
Designed to familiarize student mechanics with the construction, theory of operation, and maintenance of aircraft powerplants. (\$12.00 Supt. Docs.) SN 050-007-00373-1.
- b5-13H FAA Inspection Authorization Directory** (6-7-85). (AVN-132).  
Provides a revised directory of certificated mechanics who held an inspection authorization as of May 14, 1985. (\$6.50 Supt. Docs.) SN 050-007-00426-8.
- b5-15A Airframe and Powerplant Mechanics Airframe Handbook** (4-12-76). (AFS-340).  
Designed to familiarize student mechanics with airframe construction, repair, and the operating theory of airframe systems. (\$13.00 Supt. Docs.) SN 050-007-00391-9.
- b5-19B Inspection Authorization Study Guide** (Revised June 1978). (AFS-340).  
Provides guidance for persons who conduct annual and progressive inspections and approve major repairs and/or major alterations of aircraft. The guide is primarily intended for mechanics who hold or who are preparing to take the test for an inspection authorization. (\$4.50 Supt. Docs.) SN 050-007-00447-8.
- b5-23 Certification of Repairmen (Experimental Aircraft Builders)** (9-28-79). (AFS-300).  
Provides guidance to builders of amateur-built aircraft who desire to be certificated as repairmen, experimental aircraft builders (REAB) under FAR section 65.104.
- b5-24 Certification Of A Repairman (General)** (2-1-83). (AFS-310).  
Provides information and guidance to the aviation public on the procedures for certification of a repairman. It also introduces a new concept for certification, wherein formal training may be substituted for experience.
- b7-1 Medical Information for Air Ambulance Operators** (3-4-74). (AAM-620).  
Provides persons or groups interested or involved in civil air ambulance activities with information governing the transport of patients by air.

**67-2 Medical Handbook for Pilots (5-15-74).  
(AAM-620).**

An aviation medicine handbook written in pilots language that provides guidance on when, and when not, to fly. Emphasizes the fact that, to be a good pilot, you must be physically fit, psychologically sound, and well trained. Designed to complement the Pilots Handbook of Aeronautical Knowledge. (\$5.00 Supt. Docs.) SN 050-007-00254-8.

**Airspace**

**Subject No. 70**

**70-2D Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports (8-1-79). (ATO-240).**

Advises persons proposing to construct, activate, or deactivate a civil or joint-use (civil/military) airport of the requirement to notify the Federal Aviation Administration of their plans. It also outlines some of the airspace utilization factors which should be considered early in the planning stages.

**++70/7460-1G Obstruction Marking and Lighting (10/22/85). (ATO-210).**

Describes FAA's standards for marking and lighting of obstructions as identified by FAR Part 77.

**++70/7460-2H Proposed Construction or Alteration of Objects that may Affect the Navigable Airspace (11-15-85). (ATO-210).**

Informs those individuals proposing to erect or alter an object which may affect the navigable airspace regarding the need to notify the Federal Aviation Administration prior to such construction.

**73-2 IFR Helicopter Operations in the Northeast Corridor (6-11-79). (ATF-4).**

Advises interested users of special Area Navigation (RNAV) helicopter routes between Washington, D.C., and Boston, Massachusetts, (known as the "Northeast Corridor") and provides guidelines to operators for the safe use of these routes. The use of these routes is voluntary.

**Air Traffic Control and General Operations**

**Subject No. 90**

**90-5 Coordination of Air Traffic Control Procedures and Criteria (6-13-83). (ATO-370).**

States Air Traffic Service policy respecting coordination of air traffic procedures and criteria with outside agencies and/or organizations.

**90-23D Aircraft Wake Turbulence (12-15-72). (AFS-210).**

Alerts pilots to the hazards of aircraft trailing vortex wake turbulence and recommends related operational procedures.

**90-34 Accidents Resulting from Wheelbarrowing In Tricycle Gear Equipped Aircraft (2-27-88). (AFS-825).**

Explains "wheelbarrowing", the circumstances under which it is likely to occur, and recommended corrective action.

**90-42D Traffic Advisory Practices at Nontower Airports (4-15-85). (ATO-230).**

This circular contains good operating practices and procedures for use when approaching or departing airports that do not have a tower in operation.

**90-43F Operations Reservations for High-Density Traffic Airports (HDTA's) (4-22-85). (ATO-230).**

Provides information for obtaining instrument and visual flight rules (IFR/VFR) reservations at the High Density Traffic Airports (HDTA). For reservation purposes, user groups are classified as air carrier, commuters, and others. Scheduled air carriers/commuters obtain reservations for scheduled operations through scheduling committees; reservations for all other operations are obtained through the Airport Reservations Office (ARO).

**90-45A Approval of Area Navigation Systems for Use in the U.S. National Airspace System (2-21-75). (AFS-210).**

Provides guidelines for implementation of two-dimensional area navigation (2D RNAV) within the U.S. National Airspace System (NAS). Provides for both VOR/DME dependent systems and self-contained systems such as Inertial Navigation Systems (INS). (Consolidated Reprint includes change 1 and 2).

**90-48C Pilots' Role in Collision Avoidance (3-18-83). (AFS-820).**

Alerts all pilots to the potential hazards of midair collision and near midair collision, and to emphasize those basic problem areas related to the human causal factors where improvements in pilot education, operating practices, procedures, and improved scanning techniques are needed to reduce midair conflicts.

**++90-50C VHF Radiofrequency Assignment Plan for Aeronautical Operations (3-10-86). (AES-500).**

Reflects the current frequency planning and channeling for the 118 MHz to 136 MHz Aeronautical Mobile Band. The revisions and changes to this AC are required by the 1984 Agency Notice of Policy Decision on Expanding the Use of 25 KHz Channeling in the 118 MHz to 136 MHz Band. This notice was published in May 16, 1984, issue of the Federal Register.

**90-58C VOR Course Errors Resulting from 50 kHz channel Mis-Selection (4-7-75). (AFS-310).**

Provides information concerning a potentially hazardous situation when a 200 channel VOR receiver is inadvertently mistuned by 50 kHz from the frequency of a 100 kHz ground station.

- 90-65A Air Traffic Fuel Economy Program (8-21-80). (ATO-370).**  
Advises the aviation community of an expansion of an air traffic service program used to conserve aviation fuel. FAD procedures include O'Hare Airport and Denver Stapleton Airport. Offers the operator/pilot the option to delay his departure until the air traffic control system can absorb the flight with no more than approximately 30 minutes arrival holding delay at destination.
- 90-66 Recommended Standard Traffic Patterns for Airplane Operations at Uncontrolled Airports (2-27-75). (AAT-10).**  
Calls attention to regulatory requirements for the operations of airplanes at uncontrolled airports. Recommends voluntary use of standard traffic pattern flight procedures.
- 90-67A Light Signals from the Control Tower for Ground Vehicles, Equipment, and Personnel (6-25-81). (ATO-320).**  
Provides the aviation community with the meaning of the light signals used when communicating with ground vehicles, equipment, and personnel on the airport movement area from the control tower.
- 90-72A Minimum Safe Altitude Warning (MSAW) (1-31-78). (ATO-320).**  
Describes the capabilities and limitations of the MSAW function implemented at terminal facilities equipped with ARTS III.
- 90-75 Strobe Light System Inspection Practices (2-10-77). (AFS-310).**  
Advises the general aviation community of the importance of proper maintenance of capacitive discharge strobe light systems which are installed within or near fuel systems.
- 90-76A Flight Operations in Oceanic Airspace (9-18-84). (ATO-331).**  
Outlines the basic procedures to flight proposed into oceanic airspace under U.S. air traffic control jurisdiction.
- 90-78 En Route Conflict Alert (CA) (4-27-78). (ATO-320).**  
Describes the capabilities and limitations of the Conflict Alert Function that is operational in the En Route NAS Stage A program.
- 90-79 Recommended Practices and Procedures for the Use of Electronic Long-Range Navigation Equipment (7-14-80). (AFS-210).**  
Presents recommended operational practices and procedures for the use of electronic long-range navigation equipment in oceanic or remote land areas.
- 90-80 Approval of Airborne Radar Approach (ARA) Procedures For Helicopters to Offshore Platforms (5-18-81). (AVN-100).**  
Provides an acceptable means for obtaining approval of airborne radar approach procedures to offshore platforms.
- 90-81 Procedures for Obtaining Publications-- Civil Non-FAA Operated Control Towers (11-9-83). (AAT-10).**  
Advise operators of civil non-FAA airport traffic control towers how to obtain recommended government publications to support their air traffic control operation.
- 90-82 Random Area Navigation Routes (10-28-83). (ATO-330).**  
Provides notification to all users equipped with area navigation/RNAV avionics with latitude/longitude coordinate navigation capability of a new random route service within the conterminous United States.
- 90-83 Terminal Control Areas(TCA) (12-19-83). (ATO-320).**  
Explains the Terminal Control Areas (TCA) and answers some of the most frequently asked questions pertaining to TCA's. This circular is designed to assist persons in complying with the requirements of Part 91 pertaining to TCA's.
- 90-84 Announcement of Availability: North Pacific (NOPAC) Operations Manual, Second Edition (11-21-84). (ATO-331).**  
Announces availability of the Second Edition of subject manual.
- 90-85 Severe Weather Avoidance Plan (SWAP) (4-1-85). (ATO-410).**  
Issued to provide users of the air traffic system with background and pertinent information relating to the Severe Weather Avoidance Plan (SWAP).
- 90-86 Announcement of Availability: North Atlantic MNPS Airspace Operations Manual, Fourth Edition (7-19-85). (AFS-220).**  
Announces the availability of the Fourth Edition of the North Atlantic MNPS Airspace Operations Manual. This manual provides guidance material for flight planning organizations and flightcrews involved in operating in the North Atlantic MNPS airspace. The AC states to obtain copies of the manual, write to U.S. Department of Transportation, M-494.3, Washington, D.C. 20590, and to include a self-addressed mailing label to expedite a request.
- ++90-87 Helicopter Dynamic Rollover. (1-27-86). (AFS-840).**  
Familiarizes the helicopter pilot/instructor and pilot school personnel with the hazards, causes, and preventive measures associated with dynamic rollover in helicopters.
- ++90-88 Airport Radar Service Area (ARSA) (6-23-86). (ATO-320).**  
Explains the Airport Radar Service Area (ARSA), and is designed to assist aviators in complying with the requirements of Federal Aviation Regulations which pertains to ARSA.
- 91-5C Waivers of Subpart B, Part 91 of the Federal Aviation Regulations (FARs) (12-21-82). (ATO-220).**  
Provides information concerning the submission of applications for and the issuance of waivers of Subpart B, FAR Part 91.
- 91-6A Water, Slush, and Snow on the Runway (5-24-78). (AFS-5).**  
Provides background and guidelines concerning the operation of turbojet aircraft with water, slush, and/or snow on the runway.

- 91-88 Use of Oxygen by Aviation Pilots/Passengers (4-7-82). (AFS-5).**  
Provides aviation personnel with information concerning the effects of atmospheric changes on the body and the use of oxygen.
- 91-13C Cold Weather Operation of Aircraft (7-24-79). (AFS-80b).**  
Provides background and guidelines relating to operation of aircraft in the colder climates where wide temperature changes may occur.
- 91-14D Altimeter Setting Sources (4-9-79). (AFS-340).**  
Provides the aviation public and industry with guidelines for setting up reliable altimeter setting sources.
- 91-16 Category II Operations--General Aviation Airplanes (8-7-67). (AFS-200).**  
Sets forth acceptable means by which Category II operations may be approved in accordance with FAR Parts 23, 25, 61, 91, 97, and 135.
- 91-22A Altitude Alerting Devices/Systems (12-23-71). (AFS-210).**  
Provides guidelines for designing, installing, and evaluating altitude alerting systems.
- 91-23A Pilot's Weight and Balance Handbook (6-9-77). (AVN-132).**  
Provides an easily understood text on aircraft weight and balance for pilots who need to appreciate the importance of weight and balance control for safety of flight. Progresses from an explanation of basic fundamentals to the complete application of weight and balance principles in large aircraft operations. (#5.00 Supt. Docs.) SN 050-007-00405-2.
- 91-26 Maintenance and Handling of Air-Driven Gyroscopic Instruments (10-29-69). (AFS-310).**  
Advises operators of general aviation aircraft of the need for proper maintenance of air-driven gyroscopic instruments and associated air filters.
- 91-32A Safety In and Around Helicopters (6-21-79). (AFS-824).**  
Provides suggestions to improve helicopter safety by means of acquainting flight and nonflight crew personnel and passengers with the precautions and procedures necessary to avoid undue hazards.
- 91-33A Use of Alternate Grades of Aviation Gasoline for Grade 80/87 and Use of Automotive Gasoline (7-18-84). (ANE-118).**  
Provides information relating to the use of alternate grades of gasoline when grade 80/87 aviation is not available and the resultant effects of the use of the alternate fuels which have higher TEL (tetraethyl lead) content. Suggestions are offered as acceptable means of avoiding engine operating difficulties when using alternate fuels. This circular also provides suggestions for added safety in the use of automotive gasoline in those aircraft engines and aircraft covered by Supplemental Type Certificates (STCs).
- 91-35 Noise, Hearing Damage, and Fatigue in General Aviation Pilots (3-28-72). (AAM-620).**  
Acquaints pilots with the hazards of regular exposure to cockpit noise. Especially pertinent are piston-engine, fixed-wing, and rotary-wing aircraft.
- 91-36C VFR Flight Near Noise-Sensitive Areas (10-19-84). (ATO-238).**  
Encourages pilots making VFR flights near noise-sensitive areas to fly at altitudes higher than the minimum permitted by regulation and on flight paths which will reduce aircraft noise in such area.
- 91-37A Truth in Leasing (1-16-78). (AFS-820).**  
Provides information and guidance for leasees and conditional buyers of U.S.-registered large civil aircraft. If you are planning to charter an airplane take a moment to learn about chartered and leased aircraft.
- 91-38A Large and Turbine-Powered Multiengine Airplanes, Part 91, Subpart D (11-27-78). (AFS-200).**  
Sets forth guidelines and procedures to assist operators of large and turbine-powered multiengine airplanes in meeting the safety requirements of FAR, Part 91, Subpart D.
- 91-41 Ground Operational Procedures for Aircraft Engine Emission Reduction and Fuel Conservation (3-12-74). (AEE-200).**  
Recommends ground operational procedures that will minimize air pollution from aircraft ground operations and conserve fuel.
- 91-42D Hazards of Rotating Propeller and Helicopter Rotor Blades (3-3-83). (AFS-310).**  
Updates statistical information on propeller- and rotor-to-person accidents and offers suggestions to reduce the frequency of such accidents.
- 91-43 Unreliable Airspeed Indications (6-26-75). (AFS-223).**  
Alerts pilots to the possibility of erroneous airspeed/Mach indications that may be caused by blocking or freezing of the pitot system and advises of corrective action that can be taken.
- 91-44A Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers (12-12-80). (AVN-100/AWS-130).**  
Combines and updates material in several Advisory Circulars on the subject of emergency locator transmitters (ELT) and receivers for airborne service.
- 91-45B Waivers--Airshow/Contests/Races (8-5-81). (AFS-820).**  
Provides prospective airshow sponsors with the information necessary to plan for and conduct safe, effective airshows. It is also intended to provide information pertaining to the procedures and requirements for issuance of airshow waivers.



- 91-46 Gyroscopic Instruments--Good Operating Practices (2-4-77). (AFS-310).**  
Issued to re-emphasize to general aviation instrument-rated pilots the need to determine the proper operation of gyroscopic instruments, the importance of instrument cross-checks and proficiency in partial-panel operations.
- 91-47 Use of Portable Electronic Devices--Radio Receivers (3-23-77). (AFS-310).**  
Intended to remind air carrier or commercial operators of the requirements of FAR 91.19 as they apply to pocket size radio receivers capable of reception in the 110-140 MHz band.
- 91-48 Acrobatics--Precision Flying With a Purpose (6-29-77). (AFS-820).**  
Provides information to persons who are interested in acrobatic flying to improve their piloting skills as recreation, sport, or as a competitive activity.
- 91-49 General Aviation Procedures for Flight in North Atlantic Minimum Navigation Performance Specifications Airspace (8-23-77). (AFS-824).**  
Sets forth acceptable means, but not the only means, of obtaining authorization to operate within specified airspace over the North Atlantic, designated as the NAT (North Atlantic) MNPS (Minimum Navigation Performance Specifications) airspace, after 0001 Greenwich Mean Time, Dec. 29, 1977. This requirement applies to persons operating under FAR Part 91 and for FAR Part 135 certificate holders, except those operating under Section 135.2.
- 91-49 Chg. 1 (2-6-78).**
- 91-50 Importance of Transponder Operation and Altitude Reporting (8-24-77). (AFS-310).**  
Provides information and guidance concerning the importance of transponder operation and altitude reporting in the National Airspace System.
- 91-51 Airplane Deice and Anti-Ice Systems (9-15-77). (AFS-806).**  
Provides information to pilots regarding ice protection system approval and the results of in-flight icing.
- 91-53 Noise Abatement Departure Profile (10-17-78). (AFS-223).**  
Provides a technical analysis and description of a generally effective standardized noise abatement departure profile that is consistent with the Federal Aviation Administration's safety responsibilities. It describes safe standard noise abatement departure profiles for turbojet-powered airplanes with a maximum certificated takeoff weight over 75,000 pounds, consistent with Federal Aviation Regulation (FAR) section 91.87; and Aviation Noise Abatement Policy, dated November 18, 1976. The profiles contained in this circular should be considered for inclusion in all air carrier training and flight operations manuals as well as in airport noise abatement plans.
- 91-54 Automatic Reporting Systems--Altimeter Setting and Other Operational Data (2-26-78). (AFS-820).**  
Provides guidelines for the development and installation of automatic reporting systems for altimeter setting and other operational data intended for use in connection with IFR operations.
- 91-55 Reduction of Electrical System Failures Following Aircraft Engine Starting (10-28-80). (AFS-310).**  
Warns general aviation aircraft owner/pilots and maintenance personnel of possible total electrical system failure following aircraft engine starting.
- 91-56 Supplemental Structural Inspection Program For Large Transport Category Airplanes (5-6-81). (AFS-310).**  
Provides guidance to manufacturers and operators for use in developing a continuing structural integrity program. The procedures set forth by this AC are applicable to the large transport category airplanes operated under Subpart D of Part 91 and FAR 121, 123, 125, and 135.
- 91-56 Chg. 1 (12-4-81).**
- 91-56 Chg. 2 (4-15-83).**
- 91-57 Model Aircraft Operating Standards (6-9-81). (A70-220).**  
Outlines, and encourages voluntary compliance with, safety standards for model aircraft operators.
- 91-58 Use of Pyrotechnic Visual Distress Signaling Devices in Aviation (5-27-82). (AFS-820).**  
Suggests standards and procedures for the acquisition, use, and storage of pyrotechnic visual distress signaling devices that are intended for use in aircraft emergencies.
- 91-59 Inspection and Care of General Aviation Aircraft Exhaust Systems (8-20-82). (AFS-340).**  
Emphasizes the safety hazards of poorly maintained single-engine aircraft exhaust systems (reciprocating powerplants) and highlights points at which exhaust system failures occur. Further, it provides information on the kind of problems to be expected and recommends the performance of ongoing preventive maintenance and maintenance by pilots and mechanics, respectively.
- 91-60 The Continued Airworthiness of Older Airplanes (6-13-83). (AFS-310).**  
Provides information and recommendations to manufacturers and airplane owners/operators for the development and use of programs to assure the continued airworthiness of older airplanes not covered under AC 91-56, Supplemental Structural Inspection Program for Large Transport Category Airplanes.

91-61 A Hazard in Aerobatics: Effects or G-Forces of Pilots (2-28-84). (AFS-800/AAM-500).  
Provides background information on G-forces, their effect on the human body and their role in safe flying, and offers suggestions for avoiding problems caused by acceleration encountered in aerobatic maneuvers.

91-62 Use of Child/Infant Seats In Aircraft (2-26-85). (AWS-120).  
Provides information to assist the public in the proper use of child/infant seats aboard aircraft and provides precautions so all passengers are able to evacuate aircraft rapidly during emergencies.

91-63 Temporary Flight Restrictions (TFR) (4-15-85). (ATO-230).  
Is a result of an amendment to Section 91.91, Temporary Flight Restrictions (TFR), of the Federal Aviation Regulations which became effective June 6, 1985.

91-64 Use of Remote Altimeter Settings instrument Approach Procedures (4-23-85) (AVN-220).  
Explains restrictions on the use of altimeter setting sources used in the design and approval of instrument approach procedures.

91-65 Use of Shoulder Harness In Passenger Seats (8-4-86) (AFS-820).  
Provides guidance and information to pilots, passengers, and maintenance personnel regarding the crash survivability aspects of small aircraft equipped with shoulder harnesses and the hazards of modifying seats, adding appendages to seats, and storage of articles, beneath the seats. Recommends inspection and maintenance of seats, lap belts and shoulder harnesses to enhance their effectivity for crash survivability.

91.11-1 Guide to Drug Hazards in Aviation Medicine (7-17-83). (AAM-620).  
Lists all commonly used drugs by pharmacological effect on airmen with side effects and recommendations. (#5.50 Supt. Docs.) SN 050-009-00001-7.

91-83-1B Canceling or Closing Flight Plans (6-24-82). (ATO-360).  
Explains FAA procedures for handling flight plans and emphasizes the need for cancelling or closing flight plans.

97-1A Runway Visual Range (RVR) (9-28-77). (AFS-224).  
Describes RVR measuring equipment and its operating use.

99-1B Security Control of Air Traffic (8-2-85). (ATO-330).  
Provides civil aviation with recommended practices for operating aircraft within air defense identification zone or when penetrating an air defense identification zone. Also provides information on actions to be taken by airmen when operating an aircraft during air defense emergency/defense emergency or prior to these declarations when area/regional emergency security control of air traffic procedures are implemented.

101-1A Waivers of Part 101, Federal Aviation Regulations (6-3-81). (ATO-223).

Provides information on submission of applications and issuances of waivers to FAR Part 101.

103-4 Hazard Associated with Sublimation of Solid Carbon Dioxide (Dry Ice) Aboard Aircraft (5-1-74). (AAM-620).

Discusses the potential hazard associated with the sublimation of dry ice aboard aircraft. Precautionary measures and simple rules of thumb are indicated in order to preclude environmentally hazardous conditions affecting crews and passengers aboard aircraft.

103-6 Ultralight Vehicle Operations--Airports, ATC, and Weather (6-23-83). (ATO-230).

Provides guidance for the operation of ultralight vehicles in the U.S. Information includes airport and flight park operations, how to work with ATC, and the availability of weather services.

103-7 The Ultralight Vehicle (1-30-84). (AFS-820).

Provides guidance to the operators of ultralights in the United States. It discusses the elements which make up the definition of ultralight vehicles for the purposes of operating under Federal Aviation Regulation (FAR) Part 103. It also discusses when an ultralight must be operated as an aircraft under the regulations applicable to certificated aircraft.

105-2A Sport Parachute Jumping (4-11-79). (AFS-820).

Provides suggestions to improve sport parachuting safety; information to assist parachutists in complying with FAR Part 105; and a list of aircraft which may be operated with one cabin door removed, including the procedures for obtaining FAA authorization for door removal.

107-1 Aviation Security--Airports (5-19-72). (ACS-100).

Furnishes guidance to those individuals and organizations having responsibilities under Part 107 of the Federal Aviation Regulations. It also provides recommendations for establishing and improving security for restricted or critical facilities and areas the security of which is not dealt with in Part 107.

108-1 Air Carrier Security (10-16-81). (ACS-3).

Provides information and guidance for implementation of new FAR 108, Airplane Operator Security. (#3.75 Supt. Docs.) SN 050-007-00642-0.

108-2 Security Rules--Carriage of Weapons and Escorted Persons (10-16-81). (ACS-3).

Provides information and guidance for implementation of FARs 108.11 and 108.21 concerning the carriage of weapons and passengers under the control of armed law enforcement escorts.

**108-3 Screening of Persons Carrying U.S. Classified Material (11-6-81). (ACS-100).**

Provides instructions for the screening of passengers carrying classified material in order to maintain the integrity of the screening process and prevent the compromise of classified material.

**109-1 Aviation Security--Acceptance and Handling Procedures Indirect Air Carrier Security (3-3-82). (ACS-100)**

Provides information and guidance which should be used by "indirect air carriers" when accepting and handling property to be carried by "air carriers" or by the operator of any civil aircraft for transportation in air commerce. (22.25 Supt. Docs.) SN 050-007-00643-8.

**AIR CARRIER AND COMMERCIAL OPERATORS AND HELICOPTERS****Subject No. 120****120-12A Private Carriage Versus Common Carriage of Persons or Property (4-26-86). (AFS-820).**

Furnishes FAA personal and interested segments of industry with general guidelines for determining whether current or proposed transportation operations by air constitute private or common carriage.

**120-16C Continuous Airworthiness Maintenance Programs (8-8-80). (AFS-350).**

Provides information and guidance on continuous airworthiness maintenance programs for operators subject to the provisions of FAR Parts 121, 127, or 135.

**120-17A Maintenance Control by Reliability Methods (3-27-78). (AFS-330).**

Provides information and guidance materials which may be used to design or develop maintenance reliability programs utilizing reliability control methods.

**120-26F Designator/Radio Telephony Assignment for Aircraft Operating Agencies, Aeronautical Authorities Services (4-1-80). (AT0-200).**

This advisory circular states the criteria for eligibility and procedures for requesting the assignment of the FAA three-letter aircraft operator designators and telephony designators; and the ICAO two-letter designators; and telephony designators for aircraft operating agencies, aeronautical authorities and services. Information about the reciprocal arrangements for using FAA three-letter aircraft operator designators and telephone designators for transborder flights between Canada and the United States is also included.

**120-26F Chg. 1 (8-12-80).**

Due to the proliferation of FAA three-letter operator designators and the ATC workload involved in assimilating large numbers of these designators, the company flight operations criterion has been increased. This increase changes paragraph 6.a.(1)(d) to read: "Flight operations

are conducted on a regularly scheduled (not seasonal) basis with at least 20 round trips per week between two or more points."

**120-27A Aircraft Weight and Balance Control (5-14-80). (AFS-310).**

Provides a method and procedures for developing a weight and balance control system.

**120-28C Criteria for Approval of Category III Landing Weather Minima (3-9-84). (AFS-210).**

States an acceptable means, not the only means, for obtaining approval of Category IIIa or category IIIb landing weather minima and the installation approval of the associated airborne systems.

**120-29 Criteria for Approving Category I and Category II Landing Minima for FAR 121 Operators (9-25-70). (AFS-210).**

Sets forth criteria used by FAA in approving turbojet landing minima of less than 300-3/4 or RVR 4,000 (Category I) and Category II minima for all aircraft.

**120-29 Chg. 1 (12-15-71).**

Revises Appendix 1 and deletes statement in Appendix 2 regarding 19-foot criteria (does not apply when using an approved automatic landing system).

**120-29 Chg. 2 (7-26-72).**

Clarifies the airborne system evaluation by stressing the necessity for meeting maintenance program requirements.

**120-29 Chg. 3 (12-3-74).**

Outlines the recent change in FAR Part 121 wherein both initial and recurrent pilot qualification for both Category I and II proficiency checks may be performed in a visual simulator.

**120-30A Reporting Requirements of Air Carriers, Commercial Operators, Travel Clubs, and Air Traffic Operators of Large and Small Aircraft (9-8-76). (AFS-310).**

This advisory circular is issued to clarify the mechanical reliability reporting requirements contained in Parts 121, 127, and 135 of the Federal Aviation Regulations (FAR) and the accident and incident reporting requirements of Part 830 (old Part 430) of the National Transportation Safety Board (NTSB), Safety Investigation Regulations.

**120-31A Operational and Airworthiness Approval of Airborne Omega Radio Navigation Systems as a Means of Updating Self-Contained Navigation Systems (4-21-77). (AFS-260).**

Sets forth an acceptable means, but not the only means, of obtaining airworthiness and operational approval of airborne OMEGA navigation systems used in updating self-contained navigation systems such as Doppler and Inertial Radar for operations outside the United States under FAR Part 121.

**120-32 Air Transportation of Handicapped Persons (3-25-77). (AFS-223).**

Identifies some of the problems handicapped air travelers face and provides some guidelines to airline personnel to help alleviate these problems.

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**120-33 Operational Approval of Airborne Long-Range Navigation Systems for Flight Within the North Atlantic Minimum Navigation Performance Specifications Airspace (6-24-77). (AFS-223).**

Sets forth acceptable means, but not the only means, for operators certificated under FAR Parts 121 and 123 and operators utilizing large aircraft under FAR 135.2, to obtain approval to operate within a specific airspace over the NAT (North Atlantic) MNPS (Minimum Navigation Performance Specifications) airspace after 0001 Greenwich Mean Time, Dec. 29, 1977.

**120-34 Air Transportation of Mental Patients (6-29-77). (AFS-223).**

Provides guidelines to organizations and persons responsible for transportation of mental patients and outlines the responsibilities of those escorting such persons.

**120-35A Line-Oriented Flight Training Programs (8-11-81). (AFS-260).**

Sets forth one means, not the only means, acceptable to the Administrator for approval of a line-oriented training program under FAR 121.409.

**120-36 Air Carrier Dispersal Planning Program (6-5-78). (ATF-10).**

Provides guidance to air carrier management in the development of individual fleet dispersal plans for use in case of a nuclear attack on the United States.

**120-37 Operational and Airworthiness Approval of Airborne Omega Radio Navigational Systems as a Sole Means of Long Range Navigation Outside the United States (10-10-78). (AWS-130).**

Establishes an acceptable means of obtaining airworthiness and operational approval of Airborne Omega Navigational Systems as a sole means of long range navigation for operations conducted outside the United States in accordance with FAR 121, 123, or large aircraft operated under FAR 135.2.

**120-38 Transport Category Airplanes Cabin Ozone Concentrations (10-10-80). (AFS-260).**

Provides guidance concerning acceptable means, but not the only means, for an air carrier to demonstrate compliance with the maximum permissible cabin ozone (O<sub>3</sub>) concentrations established by Section 121.578 of the Federal Aviation Regulations.

**120-39 Hazards of Waste Water Ice Accumulation Separating From Aircraft In Flight (10-31-80). (AFS-331).**

This advisory circular emphasizes the potential hazards to life and property due to lavatory fluid and potable water systems' ice accumulation and resultant separation from aircraft in flight.

**++120-40A Airplane Simulator And Visual System Evaluation (7-31-84). (ASO-205).**

Sets forth one means that would be acceptable to the Administrator for the evaluation of airplane simulators to be used in training programs or for airmen checking under Title 14 Code of Federal Regulations (CFR). This Advisory Circular is not an all

encompassing document and applicable regulations should be referenced to assure compliance with the provisions therein.

**120-41 Criteria For Operational Approval Of Airborne Wind Shear Alerting and Flight Guidance Systems (11-7-83). (AFS-210).**

Establishes an acceptable means, but not the only means, of obtaining operational approval of an airborne wind shear alerting and flight guidance system. It describes acceptable simulation test criteria, wind field modeling data, and minimum performance parameters for evaluating candidate systems.

**120-42 Extended Range Operation With Two-Engine Airplanes, (6-6-85). (AFS-210-/ANM-110).**

States an acceptable means but not the only means for obtaining approval under FAR Section 121.161 for two-engine airplanes to operate over a route that contains a point farther than one hour flying time at the normal one-engine inoperative cruise speed (in still air) from an adequate airport.

**121-1A Standard Operations Specifications-- Aircraft Maintenance Handbook (6-26-73). (AFS-330).**

Provides procedures acceptable to the Federal Aviation Administration which may be used by operators when establishing inspection intervals and overhaul times.

**121-1A Chg. 1 (1-23-75).**

Updates the overhaul and inspection/check period of selected airframes, powerplants, propellers, and appliances in relation to current industry standards.

**121-1A Chg. 2 (8-19-76).**

**121-1A Chg. 3 (2-18-77).**

**121-1A Chg. 4 (7-7-78).**

**121-6 Portable Battery-Powered Megaphones (1-5-66). (AWS-110).**

Sets forth an acceptable means for complying with rules (applicable to various persons operating under Part 121 of the Federal Aviation Regulations) that prescribe the installation of approved megaphones.

**121-13 Self-Contained Navigation Systems (Long Range) (10-14-69). (AFS-224).**

States an acceptable means, not the only means, of compliance with the referenced sections of the FAR as they apply to persons operating under Parts 121 or 123 who desire approval of Doppler RADAR navigation systems or Inertial Navigation Systems (INS) for use in their operations.

**121-13 Chg. 1 (7-31-70).**

Assures standardization of the Minimum Equipment List (MEL) with respect to Inertial Navigation Systems (INS) through the appropriate Flight Operations Evaluation Board (FOEB).

**121-13 Chg. 2 (12-21-70).**

Permits all flight training for Doppler and INS qualification, to be completed in a simulator or training device approved for conducting the required pilot training and qualifications in the use of these systems.

- 121-16 Maintenance Certification Procedures (11-9-70).** (AFS-330).  
Provides guidance for the preparation of an Operations Specification--Preface Page which will afford nominal and reasonable relief from approved service and overhaul time limits when a part is borrowed from another operator.
- 121-21B Information Guide for Training Programs and Manual Requirements in the Air Transportation of Hazardous Materials (12-22-83).** (ACS-130).  
Provides certificate holders operating aircraft under Code of Federal Regulations (CFR) Title 14, Parts 121 and 135, Federal Aviation Regulations, with information relevant to CFR Title 49 and the International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air.
- 121-22 Maintenance Review Board (MRB) (1-12-77).** (AFS-330).  
Provides guidelines for establishing and conducting a MRB on newly manufactured aircraft, powerplant, or appliance to be used in air carrier service.
- 121-23 Preparation and Loading of Magnetron Tubes and Magnetic Materials for Air Shipments (2-10-77).** (ACS-200).  
Provides information regarding the preparation and loading of magnetron tubes and magnetic materials for shipment in civil aircraft.
- 121-24 Passenger Safety Information Briefing and Briefing Cards (6-23-77).** (AFS-223).  
Contains information and guidance material for use by air carriers in the preparation of passenger safety information briefings.
- 121-25 Additional Weather Information: Domestic and Flag Air Carriers (9-16-77).** (AFS)-224).  
Provides guidance and standards to domestic and flag air carriers for approval of a system for obtaining forecasts and reports of adverse weather phenomena.
- 121-26 Airports--Required Data (6-29-81).** (AFS-250).  
Provides guidance as to acceptable methods for compliance with changes to the Federal Aviation Regulations 121.97(b) and 121.117(b).
- 121-27 Guide For Air Carriers, Freight Forwarders, and Shippers in Obtaining Information Dealing with the Transportation of Hazardous Materials by Air (12-22-83).** (ACS-100).  
Provides air carriers, freight forwarders, and shippers with sources of regulatory and training information and provides office locations and telephone numbers where technical assistance may be obtained dealing with the provisions of the appropriate regulations concerning the transportation by air of commodities which have been designated as regulated hazardous materials.
- 121.195(d)-1 Alternate Operational Landing Distances for Wet Runways; Turbojet Powered Transport Category Airplanes (11-19-65).** (ANM-100).  
Sets forth an acceptable means, but not the only means, by which the alternate provision of section 121.195(d) may be met.
- 121.445-1A Pilot In Command Qualifications For Special Areas/Routes And Airports.** FAR 121.445 (3-25-81). (AFS-260).  
Provides information for all Part 121 certificate holders concerning those areas/routes and airports where the Administrator has determined that special qualifications are required of pilots in command as provided in FAR 121.445.
- 125-1 Operations of Large Airplanes Subject to Federal Aviation Regulations Part 125 (1-22-81).** (AFS-820).  
Sets forth one means that would be acceptable to the Administrator to assist persons in complying with the requirements of FAR Part 125. It also provides (in Chapter 1) a test of applicability for those operations which may be subject to Part 125.
- 129-3 Foreign Air Carrier (6-10-82).** (ACS-120).  
Provides information and guidance for the implementation of Change 7 to FAR Part 129 (sections 129.25, 129.26, and 129.27) which became effective 9/11/81. The sensitive nature of many security procedures precludes full discussion in this AC. FAA Security Inspectors located throughout the U.S., as well as Foreign Air Carrier Principal Security Inspectors, located at FAA offices in Brussels, Belgium, and at FAA Regional Headquarters in the U.S., having responsibility for those foreign air carriers operating within the FAA offices geographical area of responsibility, are available to discuss the many issues that may arise regarding implementation and procedural details of security safeguards. (82-50 Supt. Docs.) SN 050-007-00641-1.
- 133-1A Rotorcraft External-Load Operations in Accordance with FAR Part 133 (10-16-79).** (AFS-824).  
Provides information for persons interested in applying for a Rotorcraft External-Load Operator Certificate.
- 135-3B Air Taxi Operators and Commercial Operators (12-1-78).** (Consolidated reprint includes changes 1 and 2). (AFS-250).  
Sets forth guidelines and procedures to assist persons in complying with the requirements of Federal Aviation Regulations, Part 135, Revised December 1, 1978.
- 135-4A Aviation Security: Air Taxi Commercial Operators (ATCO) (4-15-76).** (ACS-100).  
Provides recommended security measures applicable to ATCO operations that should minimize the effects of crimes directed against air transportation.
- 135-5B Maintenance Program Approval for Carry-On Oxygen Equipment for Medical Purposes (9-26-83).** (AFS-310).  
Provides a means whereby air taxi operators may submit a maintenance program to comply with FAR Part 135, Section 135.91, of the Federal Aviation Regulations.

- 135-7 FAR 135: Additional Maintenance Requirements for Aircraft Type Certificated for Nine or Less Passenger Seats (10-24-78). (AFS-350).**  
Provides information on establishing methods for compliance with additional maintenance requirements of FAR Part 135, Revised December 1, 1978, for certain air taxi operators and commercial operators (ATCO).
- 135-9 FAR Part 135 Icing Limitations (5-30-81). (AFS-250).**  
To provide guidance to commuter/air taxi operators to assist them to comply with Section 135.227.
- 135-10 Approved Aircraft Inspection Program (9-17-81). (AFS-330).**  
Provides principal information and guidance for approved aircraft inspection programs.
- 135-11A Air Taxi Operators (8-30-84). (AVN-121).**  
Transmits a directory of all FAA certificated air taxi operators certificated as of August 11, 1984. (84.50 Supt. Docs.) SN 050-007-00633-1.
- 135-12 Passenger Information, FAR Part 135: Passenger Safety Information Briefing And Briefing Cards (10-9-84). (AFS-250).**  
Provides information regarding the items that should be covered in oral briefings and on information cards. Provides specific information for aircraft having a maximum passenger seating configuration excluding any pilot seat, of 30 seats or less and a maximum payload capacity of 7500 pounds or less. It also provides suggestions about making this information more interesting and meaningful.
- 135.169-1 Small Propeller-Driven Air Taxi Airplanes That Meet Sections 135.167 (formerly 135.144) (9-24-79). (AUS-110).**  
Provides a summary of and information on small propeller-driven air taxi airplanes that comply with section 135.169(b) and may continue operations under FAR 135 with ten or more passenger seats.
- 137-1 Agricultural Aircraft Operations (11-29-65). (AFS-820).**  
Explains and clarifies the requirements of FAR Part 137 and provides additional information, not regulatory in nature, which will assist interested persons in understanding the operating privileges and limitations of this Part.
- 139.12-1 Airport Operations Specifications (2-3-75). (AAS-300).**  
Presents guidelines to assist airport operators in developing airport operations specifications in compliance with the requirements of amended FAR Part 139.
- 139.47-1 Programs for Training of Fire Fighting and Rescue Personnel (11-12-74). (AAS-100).**  
Outlines suggested training programs for airport fire fighting and rescue personnel involved in operating airport fire fighting and rescue equipment and the principles of aircraft fire fighting and rescue techniques.
- Schools and Other Certificated Agencies**  
**Subject No. 140**
- 140-2R List of Certificated Pilot Schools (10-83). (AVN-121).**  
Provides an up-to-date listing of all FAA certificated pilot schools as of July 11, 1983. (82.00 Supt. Docs.) SN 050-007-00664-1.
- 140-6C The Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation No. 3b (2-3-84). (AFS-340).**  
Advises that SFAR 3b has been extended for an additional 5 years. Provides information related to the issuance of an authorization to allow repair stations, air carriers and air taxi/commercial operators of large aircraft to develop and use major repair data not specifically approved by the Administrator in accordance with the requirements of SFAR 3b.
- 140-7D Federal Aviation Administration Certificated Maintenance Agencies Directory (10-83). (AVN-121).**  
Transmits a consolidated directory of all FAA certificated repair stations and parachute lofts as of July 11, 1983. (83.00 Supt. Docs.) SN 050-007-00666-7.
- 141-1 Pilot School Certification (8-29-74). (AFS-820).**  
Sets forth guidelines to assist persons in obtaining a pilot school certificate and associated ratings under FAR Part 141 (revised).
- 141-2A Written Tests Prepared by Pilot Schools With Examining Authority Under Part 141 (Revised) of the Federal Aviation Regulations (10-3-75). (AVN-132).**  
Provides guidance to FAR Part 141 Pilot Schools with examining authority in developing final written tests for FAA certificates and ratings which are equal in scope, depth, and difficulty to comparable written tests prescribed by the Administrator. Also prescribes procedures for administering, maintaining security of, and replacing those tests.
- 145-2 Repair Station Limited Ratings Beech 18 Series Aircraft (4-21-76). (AFS-340).**  
Advises of a required limited repair station rating to perform X-ray inspection of the Beech 18 wing and center section spar, and of the procedures for application.
- 145-3 Guide For Developing and Evaluating Repair Station Inspection Procedures Manuals (2-13-81). (AFS-310).**  
An aid to the development of a repair station inspection procedures manual that adequately covers all pertinent FARs.
- 145-3 Chg. 1 (2-10-82).**

- 145-4 Inspection, Retread, Repair and Alterations of Aircraft Tires (9-27-82). (AFS-340).**  
Provides guidance for the development, qualification, and approval of aircraft tire repair and retread process specifications, and the use of special nondestructive inspection (NDI) techniques. The information sets forth an acceptable means, but not the only means of developing a process specification for approval.
- 145.101-18 Application for Air Agency Certificate--Manufacturer's Maintenance Facility (11-30-83). (AMS-202).**  
Provides manufacturers with the procedures for obtaining a repair station certificate with a limited rating for a manufacturer (known as a manufacturer's maintenance facility (MMF)).
- 147-2X Directory of FAA Certificated Aviation Maintenance Technician Schools (10-83). (AVN-120).**  
Transmits directory of all FAA certificated aviation maintenance technician schools as of August 13, 1983. (81.00 Supt. Docs.) SN 050-007-00665-9.

**AIRPORTS**

Subject NO 15D

**AIRPORT PLANNING**

- ++150/5000-3J Address List for Regional Airports Divisions and Airports District/Field Offices (4-22-86). (ARP-11).**  
Transmits the address list for all regional Airports Divisions and Airports District/Field Offices.
- 150/5000-4B Announcement of Availability-- Airport Research and Technical Reports (2-11-85). (AAS-100).**  
Alerts the public to the availability of published research and technical reports sponsored by the Federal Aviation Administration (FAA) on a variety of airport related subjects.
- 150/5000-5A Designated U.S. Airports Serving International Air Traffic (5-16-85). (AAS-120).**  
Explains the different categories of U.S. airports designated to serve international air traffic and provides a listing of such airports.
- 150/5020-1 Noise Control and Compatibility Planning for Airports (8-5-83). (AEE-110).**  
Provides general guidance for noise control and compatibility planning for airports. Provides specific guidance for preparation of airport noise exposure maps and airport noise compatibility programs by airport operators for submission under FAR Part 150 and the Aviation Safety and Noise Abatement Act of 1979. Contains an expanded Table of Land Uses Normally Compatible with Various Levels of Noise.
- 150/5020-2 Noise Assessment Guidelines for New Heliports (12-9-83). (AEE-110).**  
Provides technical guidance for local planners, other government agencies, and operators in calculating the acoustic involvement near new Heliports.
- 150/5050-3A Planning the State Airport System (6-72). (APP-400).**  
Provides general guidance in preparing a State airport system plan. (86.00 Supt. Docs.) SN 050-007-00184-3.
- 150/5050-4 Citizen Participation in Airport Planning (9-26-75). (APP-600).**  
Provides guidance for citizen involvement in airport planning. Although not mandatory for airport grant programs, it demonstrates the need for early citizen participation.
- 150/5050-5 The Continuous Airport System Planning Process (11-28-75). (APP-400).**  
The purpose of this advisory circular is to provide guidance on the Continuous Airport System Planning Process (CASPP). This process is utilized in establishing a planning capability to monitor and assess the effects of changes in the many variables and issues influencing a plan with the objective of maintaining a plan responsive to current and forecast conditions. In addition to describing the components of a CASPP, sponsor organizational structures and Federal financial participation in continuous planning activities are discussed.
- 150/5050-6 Airport-Land Use Compatibility Planning (12-30-77). (APP-400).**  
Provides generalized guidance for compatible land use planning in the vicinity of both new and existing airports. Provides guidance which may be used in developing noise control plans. (85.50 Supt. Docs.) SN 050-007-00417-6.
- 150/5060-5 Airport Capacity And Delay (9-23-83). (AAS-100).**  
Explains how to compute airport capacity and aircraft delay for airport planning and design.
- 150/5060-5 Chg. 1 (5-16-84).**  
Revises chapter 5 to incorporate the National Technical Information Service (NTIS) acquisition codes for the recently documented Airfield Delay Simulation Model (ADSIM). It also identifies minor pen and ink corrections.
- 150/5070-3 Planning the Airport Industrial Park (9-30-85). (APP-400).**  
Provides guidance to communities, airport boards, and industrial developers for the planning and development of Airport Industrial Parks.
- 150/5070-5 Planning the Metropolitan Airport System (5-22-70). (APP-400).**  
Gives guidance in developing airport-system plans for large metropolitan areas. It may be used by metropolitan planning agencies and their consultants in preparing such system plans and by the FAA in reviewing same. (85.50 Supt. Docs.) SN 050-008-00003-7.

**150/5070-6A Airport Master Plans (6-85).  
(APP-400).**

Provides guidance for the preparation of airport master plans, pursuant to the provisions of the Airport and Airway Improvement Act of 1982. (84-75 Supt. Docs.) SN 050-007-00703-5.

using program assistance and for contractors and subcontractors working on projects under the program.

**FEDERAL-AID AIRPORT PROGRAMS**

**150/5100-6C Labor Requirements for the Airport Improvement Program (AIP) (10-19-83).  
(APP-510).**

Encompasses the basic labor and associated requirements for the Airport Improvement Program (ADAP). It is intended for sponsors using program assistance and for contractors and subcontractors working on projects under the program.

**150/5100-10A Accounting Records Guide for Airport Aid Program Sponsors (4-13-76).  
(APP-500).**

This advisory circular sets forth recordkeeping requirements imposed on sponsor of Airport Development Aid Program (ADAP) and the Planning Grant Program (PGP) projects by the Airport and Airway Development Act of 1970, as amended. In addition, the Federal Aviation Regulations (FARs) require a sponsor to establish and maintain a financial management system that meets the standards set forth in FAR 152, Appendix K. This circular provides detailed explanations of these requirements.

**150/5100-11 Land Acquisition and Relocation Assistance Under the Airport Development Aid Program (2-10-75). (APP-600).**

Provides guidance to sponsors of airport development projects under the Airport Development Aid Program to meet the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (Public Law 91-644).

**150/5100-13 Development of State Standards for General Aviation Airports (3-1-77).  
(AAS-200).**

Provides guidelines and programming procedures for the development of state standards for general aviation airports as provided for in the Airport and Airway Development Act Amendments of 1976.

**150/5100-14A Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects (2-7-85). (AAS-200).**

Provides guidance for airport sponsors in the selection and employment of architectural, engineering, and planning consultants under Federal Aviation Administration airport grant programs.

**150/5100-14A, Chg. 1 (4-16-86).**

**150/5100-15 Civil Rights Requirements For The Airport Improvement Program (AIP) (9/24/84). (APP-510).**

Encompasses the basic civil rights requirements for the Airport Improvement Program (AIP). It is intended for sponsors

**150/5100-16 Airport Improvement Program Grant Assurance Number One - General Federal Requirements, (7-22-85). (APP-510).**

Describes those Federal requirements contained in Assurance 1 of the Part V Assurance (FAA Form 5100-100) which are incorporated into all grants issued pursuant to the Airport and Airway Improvement Act of 1982.

**SURPLUS AIRPORT PROPERTY CONVEYANCE PROGRAMS**

**150/5150-2B Federal Surplus Personal Property for Public Airport Purposes (10-1-84).  
(APP-510).**

Attempts to Acquaints public airport owners and other interested parties with the Federal Surplus Personal Property Program for public airports and to outline procedures to be used in applying for and acquiring surplus personal property for this purpose.

**AIRPORT COMPLIANCE PROGRAM**

**++150/5190-1A Minimum Standards for Commercial Aeronautical Activities on Public Airports (12-16-85). (AAS-310).**

Provides basic information and broad guidance material to assist the owners of public airports in developing and applying minimum standards for commercial aeronautical activities on public airports.

**150/5190-2A Exclusive Rights at Airports (4-4-72). (Consolidated reprint incorporates ch. 1). (AAS-300).**

Makes available to public airport owners, and to other interested persons, basic information and guidance on FAA's policy regarding exclusive rights at public airports on which Federal funds, administered by FAA, have been expended.

**150/5190-4 A Model Zoning Ordinance to Limit Height of Objects Around Airports (8-23-77). (AAS-100).**

Provides a model zoning ordinance to be used as a guide to control the height of objects around airports.

**150/5190-4 Chg. 1 (12-5-83).**

Adds a FOCUS paragraph which alerts the potential user of the advisory circular to the possibility that an object which exceeds the height limits of a zoning ordinance based on the obstruction surfaces described in Subpart C of FAR Part 77, Objects Affecting Navigable Airspace, current edition, is not necessarily a hazard to air navigation.



## AIRPORT SAFETY--GENERAL

- 150/5200-4 Foaming of Runways (12-21-66). (AAS-300).  
Discusses runway foaming and suggests procedures for providing this service.
- 150/5200-6A Security of Aircraft at Airports (6-28-68). (AAS-300).  
Directs attention to the problem of pilferage from aircraft on airports and suggests action to reduce pilferage and the hazards that may result therefrom.
- 150/5200-8 Use of Chemical Controls to Repel Flocks of Birds at Airports (5-2-68). (AAS-300).  
Acquaints airport operators with new recommendations on the use of chemical methods for dispersing flocks of birds.
- 150/5200-12A Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident (4-8-85). (AAS-100).  
Furnishes general guidance for airport, employees, airport management and other personnel responsible for firefighting and rescue operations, at the scene of an aircraft accident, on the proper presentation of evidence.
- 150/5200-13 Removal of Disabled Aircraft (8-27-70). (AAS-100).  
Discusses the responsibility for disabled aircraft removal and emphasizes the need for prearranged agreements, plans, equipment, and improved coordination for the expeditious removal of disabled aircraft from airport operating areas. It also illustrates some of the various methods used, equipment employed, equipment available, and concepts for aircraft recovery.
- 150/5200-15C Announcement of Availability--International Fire Service Training Association's Manual 206, Aircraft Fire Protection and Rescue Procedures (Second Edition, 1978) (8-26-82). (AAS-100).  
Explains the nature of the manual and tells how it can be obtained.
- ++150/5200-18A Airport Safety Self-Inspection (12-18-85). (AAS-310).  
Suggests functional responsibility, procedures, a checklist, and schedule for an airport safety self-inspection.
- 150/5200-21A Announcing the Availability of U.S. Air Force Technical Order (T.O. 00-105E-9) Aircraft Emergency Rescue Information (2-24-81). (AAS-100).  
Explains the nature of the Technical Order and tells how it can be obtained.
- 150/5200-22 Announcing the Availability of the International Civil Aviation Organization Airport Services Manual, DOC-9137-AN-898, Part 3, Bird Control and Reduction (3-16-76). (AAS-100).  
Announces the availability of the manual, explains its purpose, and tells how to obtain copies.
- 150/5200-23A Airport Snow and Ice Control (1-25-85). (AAS-120).  
Provides guidance to assist airport owners/operators to establish or improve airport snow and ice control programs.
- ++150/5200-23A Chg. 1 (2/26/86).
- 150/5200-27A Announcement of Availability--The National Fire Protection Association's Standard for Airport Fire Fighter Professional Qualifications (NFPA 1003-1978) (2-1-84). (AAS-100).  
Explains the nature of the standard and tells how it can be obtained for use as an airport fire fighter program guide.
- 150/5210-2A Airport Emergency Medical Facilities and Services (11-27-84). (AAS-300).  
Provides information and advice so that airports may take specific voluntary preplanning actions to assure at least minimum first-aid and medical readiness appropriate to the size of the airport in terms of permanent and transient personnel.
- 150/5210-5B Painting, Marking, and Lighting of Vehicles Used on an Airport (7-11-86). (AAA-120).  
Provides guidance, specifications, and standards, in the interest of airport personnel safety and operational efficiency, for painting, marking, and lighting of vehicles operating in the airport air operations areas.
- 150/5210-6C Aircraft Fire and Rescue Facilities and Extinguishing Agents (1-30-85). (AAS-100).  
Outlines scales of protection considered as the recommended level compared with the minimum level in Federal Aviation Regulation Part 139.49 and tells how these levels were established from test and experience data.
- 150/5210-7B Aircraft Fire and Rescue Communications (4-30-84). (AAS-120).  
Provides guidance information for planning and implementing an airport communications system for airport fire and rescue service.
- 150/5210-10 Airport Fire and Rescue Equipment Building Guide (12-7-67). (AAS-100).  
This title is self-explanatory.
- 150/5210-12 Fire and Rescue Service for Certificated Airports (3-2-72). (AAS-100).  
Furnishes guidance and explains to Federal Aviation Administration (FAA) airport inspectors and airport management the minimum criteria to be applied when evaluating the aircraft fire and rescue service required at an airport for its compliance with the requirements of FAR Part 139.
- 150/5210-13 Water Rescue Plans, Facilities, and Equipment (5-4-72). (AAS-300).  
Suggests planning procedures, facilities, and equipment to effectively perform rescue operations when an aircraft lands in a body of water, swamp, or tidal area where normal aircraft firefighting and rescue service vehicles are unable to reach the accident scene.
- ++150/5210-14 Airport Fire and Rescue Personnel Protective Clothing (3-12-86). (AAS-100).  
Developed to assist airport management in the development of local procurement specifications for an acceptable, cost-effective proximity suit for use in aircraft rescue and firefighting operations.

- +150/5220-4A Water Supply Systems for Aircraft Fire and Rescue Protection (12-11-85). (AAS-120).**  
Provides guidance for the water source selection and standards for a water distribution system designed to support aircraft rescue and firefighting (ARF) service operations on airports.
- 150/5220-9 Aircraft Arresting System for Joint Civil/ Military Airports (4-6-70). (AAS-300).**  
Updates existing policy and describes and illustrates the various types of military aircraft emergency arresting systems that are now installed at various joint civil/military airports. It also informs users of criteria concerning installations of such systems at joint civil/military airports.
- 150/5220-10 Guide Specification for Water/Foam Type Aircraft Fire and Rescue Trucks (5-26-72). (Consolidated reprint incorporates changes 1 and 2). (AAS-100).**  
Assists airport management in the development of local procurement specifications.
- 150/5220-11 Airport Snowblower Specification Guide (4-10-78). (AAS-100).**  
Provides information covering a variety of multiple capacity rotary snowblowers.
- 150/5220-12 Airport Snowsweeper Specification Guide (6-12-78). (AAS-100).**  
Provides information covering multiple capability airport snowsweepers. The information is for the use of all airport operators.
- 150/5220-13A Runway Surface Condition Sensor--Interim Specification Guide (4-22-83). (AAS-300).**  
Provides guidance on electronic systems which monitor runway surface conditions. The guidance is intended for use by airport operators, engineers and planners.
- 150/5220-14A Airport Fire and Rescue Vehicle Specification Guide (2-25-85). (AAS-100).**  
Assists airport management in the development of local procurement specifications.
- 150/5220-15 Buildings For Storage and Maintenance of Airport Snow Removal and Ice Control Equipment: A Guide (3-25-83). (AAS-120).**  
Provides standards for site selection, design and construction of buildings for the storage and maintenance of airport snow removal and ice control equipment and materials.
- 150/5220-16 Automated Weather Observing Systems (AWOS) for Non-Federal Applications, (4-11-86). (AAS-200).**  
Contains the FAA standard for non-Federal Automated Weather Observing Systems.
- 150/5230-3 Fire Prevention During Aircraft Fueling Operations (4-8-69). (AAS-100).**  
Provides information on fire preventive measures which aircraft servicing personnel should observe during fueling operations.

- 150/5230-4 Aircraft Fuel Storage, Handling, and Dispensing On Airports (8-27-82). (AAS-300).**  
Provides information on aviation fuel deliveries to airport storage and the handling, cleaning, and dispensing of fuel into aircraft.
- +150/5230-4, Chg. 1 (2/20/86).**
- 150/5280-1 Airport Operations Manual (6-16-72). (AAS-310).**  
Sets forth guidelines to assist airport operators in developing an Airport Operations Manual in compliance with the requirements of FAR Part 139.
- 150/5280-1 Chg. 1 (3-24-81).**
- 150/5280-3 Fire Fighting Exemptions Under the 1976 Amendment to the Federal Aviation Act (2-4-77). (AAS-100).**  
Outlines the type of information that may be used as justification in supporting petitions for exemption from a portion or all of the fire fighting and rescue requirements of Part 139.

**DESIGN CONSTRUCTION, AND MAINTENANCE--GENERAL**

- 150/5300-2D Airport Design Standards--Site Requirements for Terminal Navigational Facilities (3-10-80). (AAS-100).**  
This advisory circular contains information on electronic and visual navigational aids and air traffic control facility siting and clearance requirements that influence the physical layout of airports. The information is needed by persons developing an airport layout plan or an airport master plan.
- 150/5300-2D Chg.1 (7-25-80).**  
Corrects a possible misinterpretation that the time reference scanning beam microwave landing system (MLS) has been officially adopted as the international standard MLS.
- 150/5300-4B Utility Airports--Air Access to National Transportation (6-24-75). (Consolidated reprint incorporates Changes 1 thru 6). (AAS-110).**  
Establishes design standards for utility airports which are constructed for aircraft of 12,500 pounds (5670 kg) maximum gross weight or less. (95-50 Supt. Docs.) SN 050-007-00630-6.
- 150/5300-4B Chg. 7 (9-23-83).**
- 150/5300-4B Chg. 8 (7-3-85).**

**150/5300-7B FAA Policy on Facility Relocations Occasioned by Airport Improvements or Changes (11-8-72). (ABU-10).**

Reaffirms the aviation community of the FAA policy governing responsibility for funding relocation, replacement and modification to air traffic control and air navigation facilities that are made necessary by improvements or changes to the airport.

**150/5300-7A Predesign, Prebid, and Preconstruction Conferences for Airport Grant Projects (5-1-85). (AAS-200).**

Provides guidance for conducting predesign, prebid, and preconstruction conferences for projects funded under the FAA airport grant program.

**150/5300-11 Announcement of Availability Report No. FAA-AAS-80-1, National Runway Friction Measurement Program (4-21-81). (AAS-200).**

Announces the availability of the National Runway Friction Measurement Program Final Report.

**150/5300-12 Airport Design Standards--Transport Airports (2-28-83). (AAS-110).**

Presents the Federal Aviation Administration's (FAA) standards for the development of transport airports. A transport airport accommodates, or is expected to accommodate, airplanes in Aircraft Approach Categories C or D, i.e., airplanes with approach speeds of 121 knots or greater.

**150/5300-12 Chg. 1 (3-14-85).**

Provides separation standards to accommodate certain nonprecision operations by aircraft in Airplane Design Groups I and II. It also changes the standard for the runway end gradient to 0.8 percent.

**150/5320-5B Airport Drainage (7-1-70). (AAS-200).**

Provides guidance for engineers, airport managers, and the public in the design and maintenance of airport drainage systems. (#5.50 Supt. Docs.) SN 050-007-00149-5.

**150/5320-6C Airport Pavement Design and Evaluation (12-7-78). (Consolidated reprint incorporates Change 1.) (AAS-200).**

Provides guidance to the public for the design and evaluation of pavements at civil airports.

**150/5320-6C Chg. 1 (8-30-79).**

Provides revised pavement design curves and corrects two typographical errors in paragraph 10.

**150/5320-10 Environmental Enhancement at Airports Industrial Waste Treatment (4-16-73). (AAS-100).**

Provides basic information on the nature and treatment of industrial wastes produced at airports.

**150/5320-10 Chg. 1 (11-18-74).**

**150/5320-11 Runway Categorization -- Aeronautical Studies Airport Owners' Responsibilities (9-21-73). (AAS-100).**

Emphasizes the need for airport owners to maintain runway and approach zone categories and locations on file with FAA so that they may be given consideration under the regulations of FAR Part 77.

**150/5320-12A Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces (7-11-86). (AAS-200).**

Contains guidance on determining runway surface friction characteristics, specifications for friction measuring equipment, and procedures for the construction and maintenance of skid resistance airport pavement surfaces.

**150/5320-14 Airport Landscaping for Noise Control Purposes (1-31-78). (APP-400).**

Provides guidance to airport planners and operators in the use of tree and vegetation screens in and around airports.

**150/5325-3 Background Information on the Aircraft Performance Curves for Large Airplanes (1-26-65). (Consolidated reprint includes Change 1). (AAS-110).**

Provides airport designers with information on aircraft performance curves for design which will assist them in an objective interpretation of the data used for runway length determination.

**150/5325-4 Runway Length Requirements for Airport Design (4-5-65). (Consolidated reprint includes Changes 1 through 11). (AAS-100).**

Presents aircraft performance curves and sets forth standards for the determination of runway lengths to be provided at airports. The use of these standards is required for project activity under the Federal-Aid Airport Program when a specific critical aircraft is considered as the basis for the design of a runway.

**150/5325-4 Chg. 12 (7-27-77).**

**150/5325-4 Chg. 13 (3-13-78).**

**150/5325-4 Chg. 14 (9-27-78).**

**150/5325-5B Aircraft Data (7-30-75). (Consolidated reprint includes Change 1). (AAS-100).**

Presents a listing of principal dimensions of aircraft affecting airport design for guidance in airport development.

**150/5335-2 Airport Aprons (1-27-65). (AAS-100).**

Provides the criteria for airport aprons which are acceptable in accomplishing a project meeting the eligibility requirements of the Federal-aid Airport Program.

**150/5335-5 Standardized Method of Reporting Airport Pavement Strength--PCN (6-15-83). (AAS-200).**

Provides guidance for using the standardized International Civil Aviation Organization (ICAO) method to report airport pavement strength. The standardized method is known as the ACN/PCN method.

**150/5340-1E Marking of Paved Areas on Airports (11-4-80). (AAS-200).**

Describes standards for marking paved runways, taxiways, closed and/or hazardous areas on airports.

**150/5340-4C Installation Details for Runway Centerline Touchdown Zone Lighting Systems (5-6-75). (AAS-200). (Consolidated reprint includes Change 1).**

Describes standards for the design and installation of runway centerline and touchdown zone lighting systems.

**150/5340-4C Chg. 2 (8-11-78).**

**150/5340-5B Segmented Circle Airport Marker System (12-21-84). (AAS-200).**

Sets forth standards for a system of airport marking consisting of certain pilot aids and traffic control devices.

**150/5340-5B Chg. 1 (2-25-85).**

Transmits figure 1 which was inadvertently omitted from subject AC.

**150/5340-14B Economy Approach Lighting Aids (6-19-70). (Consolidated reprint includes Changes 1 and 2). (AAS-200).**

Describes standards for the design selection, siting, and maintenance of economy approach lighting aids.

**+150/5340-17B Standby Power for Non-FAA Airport Lighting Systems (1-6-86). (AAS-200).**

Describes standards for the design, installation, and maintenance of standby power for nonagency owned airport visual aids associated with the National Airspace System (NAS) and the national system of airports.

**150/5340-18B Standards for Airport Sign Systems (8-21-84). (AAS-200).**

Contains the Federal Aviation Administration standards for the location and installation of signs for use on airports.

**150/5340-19 Taxiway Centerline Lighting System (11-14-68). (AAS-200).**

Describes the recommended standards for design, installation, and maintenance of a taxiway centerline lighting system.

**150/5340-21 Airport Miscellaneous Lighting Visual Aids (3-25-71). (AAS-200).**

Describes standards for the system design, installation, inspection, testing, and maintenance of airport miscellaneous visual aids i.e., airport beacons, beacon towers, wind cones, wind tees, and obstruction lights.

**150/5340-23A Supplemental Wind Cones (6-24-75). (AAS-200).**

Describes standards for the performance and location of supplemental wind cones.

**150/5340-24 Runway and Taxiway Edge Lighting System (7-3-75). (AAS-200).**

Describes standards for the design, installation, and maintenance of runway and taxiway edge lighting.

**150/5340-24 Chg. 1 (11-25-77).**

Transmits changes to the basic advisory circular.

**150/5340-26 Maintenance of Airport Visual Aid Facilities (8-26-82). (Spanish Language Version Available). (AAS-100).**

Provides recommended guidelines for maintenance of airport visual aid facilities.

**+150/5340-27A Air-to-Ground Radio Control of Airport Lighting Systems (3-4-86). (AAS-200).**

Contains the FAA standard operating configurations for air-to-ground radio control of airport lighting systems.

**+150/5345-1R Approved Airport Lighting Equipment (7-7-86). (AAS-200).**

Contains a listing of manufacturers that have obtained qualification approval to specifications for airport lighting equipment.

**+150/5345-3D Specification for L-821 Panels for Remote Control of Airport Lighting (8-8-86). (AAS-200).**

Contains the specification requirements for panels used for remote control of airport lighting systems.

**150/5345-5A Circuit Selector Switch (3-23-82). (AAS-200).**

This advisory circular contains a specification for a circuit selector switch for use in airport lighting circuits.

**150/5345-7D Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits (5-19-81). (AAS-200).**

Describes the specification requirements for L-824 electrical cables.

**150/5345-7D Chg. 1 (1-4-82).**

**150/5345-10E Specification for Constant Current Regulators Regulator Monitors (10-16-84). (AAS-200).**

Contains a specification for constant current regulators used on airport lighting circuits, and for a monitor that reports on the status of the regulator.

**150/5345-12C Specification for Airport and Heliport Beacon (1-9-84). (AAS-200).**

Contains equipment specifications for light beacons which are used to locate and identify civil airports, seaplane bases, and heliports.

**+150/5345-13A Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (8-8-86). (AAS-200).**

Contains the specification requirements for a relay cabinet used to control airfield lighting circuits. The L-841 consists of an enclosure containing a DC power supply, control circuit protection and 20 pilot relays.

**150/5345-26B Specification for L-823 Plug and Receptacle, Cable Connectors (1-28-81). (AAS-200).**

Describes the subject specification requirements.

**150/5345-26B Chg. 1 (1-4-82).**

**150/5345-26B Chg. 2 (8-3-82).**

- 150/5345-27C Specification for Wind Cone Assemblies (7-19-85). (AAS-200).  
This advisory circular contains a specification for wind cone assemblies to be used to provide wind information to pilots of aircraft.
- 150/5345-28D Precision Approach Path Indicator (PAPI) Systems (5-23-85). (AAS-250).  
Describes the specification requirements for visual approach slope indicator (VASI) and simple abbreviated visual approach slope indicator (SAVASI) equipment and accessories.
- 150/5345-39B FAA Specification L-853, Runway and Taxiway Centerline Retroreflective Markers (12-9-80). (AAS-200).  
Describes specification requirements for L-853 Runway and Taxiway Retroreflective markers, for the guidance of the public.
- 150/5345-39B Chg. 1 (1-4-82).
- 150/5345-42B FAA Specification L-857, Airport Light Bases, Transformer Houses, and Junction Boxes (9-21-82). (AAS-200).  
Describes specification requirements for airport light bases, transformer housings, and junction boxes for the guidance of the public.
- 150/5345-42B Chg. 1 (1-4-82).
- 150/5345-43C Specification for Obstruction Lighting Equipment (6-10-80). (AAS-200).  
This advisory circular contains the specification for equipment used in obstruction lighting systems.
- 150/5345-43C Chg. 1 (1-4-82).
- 150/5345-44D Specification for Taxiway and Runway Signs (4-30-84). (AAS-200).  
Contains the specification for signs to be use on Taxiways and Runways to provide information to Aircraft Pilots.
- 150/5345-45 Lightweight Approach Light Structure (5-10-73). (AAS-200).  
Presents the specifications for lightweight structures for supporting lights as used in visual navigational aid systems.
- 150/5345-45 Chg. 1 (1-4-82).
- 150/5345-46A Specification for Runway and Taxiway Light Fixtures (6-7-84). (AAS-200).  
Contains specifications for light fixtures to be used on airport runways and taxiways.
- 150/5345-47 Isolation Transformers for Airport Lighting Systems (7-26-75). (AAS-200).  
Contains the specifications requirements for series-to-series isolation transformers for use in airport lighting systems.
- 150/5345-47 Chg. 1 (1-4-82).
- 150/5345-48 Specification for Runway and Taxiway Edge Lights (8-1-75). (AAS-200).  
Contains the specification requirements for airport runway and taxiway edge lights for the guidance of the public.
- 150/5345-48 Chg. 1 (7-13-76).
- 150/5345-48 Chg. 2 (1-4-82).
- 150/5345-49A Specification L-854, Radio Control Equipment (8-8-86). (AAS-200).  
Contains the specification for radio control equipment to be used for controlling airport lighting facilities.
- 150/5345-50 Specification for Portable Runway Lights (10-16-78). (AAS-200).  
Creates a standard and specification for a battery operated light unit to be used to outline a runway area temporarily.
- 150/5345-50 Chg. 1 (1-4-82).
- 150/5345-51 Specification for Discharge-Type Flasher Equipment (8-14-81). (AAS-200).  
Contains the specifications for discharge-type flashing light equipment to be used for runway and identification lights (REIL) and for an omnidirectional approach lighting system (ODALS).
- 150/5345-51 Chg. 1 (1-4-82).
- 150/5355-1A International Signs to Facilitate Passengers Using Airports (11-3-71). (AAS-100).  
Informs airport authorities of the desirability to provide international signs and diagrammatic maps within terminal buildings and of the need of clearly marked road signs for airports.
- 150/5355-2 Fallout Shelters in Terminal Buildings (4-1-69). (AAS-100).  
Furnishes guidance for the planning and design of fallout shelters in airport terminal buildings.
- 150/5360-2 Airport Cargo Facilities (4-6-64). (AAS-100).  
Provides guidance material on air cargo facilities.
- 150/5360-4A Announcement of Availability of Guidelines for Federal Inspection Services Facilities at International Airports of Entry and at Landing Rights Airports (10-7-77). (AAS-200).  
Announces the availability of a booklet containing more current information on the requirements for Federal Inspection Services at airports of entry and at landing rights airports.
- 150/5360-5A Announcement of Availability of the International Civil Aviation Organization (ICAO) Computer Data Bank Materials (10-26-84). (AAS-102).  
Announces the availability of computer data bank material on airports shown in the International Civil Aviation Organization (ICAO) Regional Air Navigation Plans and how it can be obtained.

**150/5360-6 Airport Terminal Building Development with Federal Participation (10-5-76). (AAS-100).**

Provides guidance pertaining to Federal participation in airport terminal building construction under the provisions of the Airport and Airway Development Act, as amended.

**150/5360-7 Planning and Design Consideration for Airport Terminal Building Development (9-5-76). (AAS-100).**

Presents planning and design procedures to be considered in airport terminal building development funded under the Airport and Airway Development Act, as amended.

**150/5360-8A Announcement of Availability of Information on Foreign Airport Planning, Design, Construction, and Trade Opportunities (10-26-84). (AAS-102).**

Provides information on trade opportunity programs and publications relating to foreign airport planning, design, and construction.

**150/5360-9 Planning and Design of Airport Terminal Facilities at Non-Hub Locations (4-4-80). (AAS-100).**

This advisory circular provides guidance material for the planning and design of airport terminal buildings at non-hub locations.

**150/5360-10 Announcement of Availability - Airport Landslide Simulation Model (ALSIM) (4-24-84). (AAS-3).**

Announces the availability and describes some of the features of a dynamic simulation computer model for use by airport planners, designers, and operators in evaluating and comparing the effectiveness of alternative airport terminal and landslide configurations and facilities.

**150/5360-11 Energy Conservation for Airport Buildings (5-31-84). (AAS-200).**

Provides guidance for promoting energy conservation in the design and operation of airport buildings; for initiating energy conservation programs; and for conducting airport building energy assessments.

**+150/5360-12 Airport Signing and Graphics (12-23-85). (AAS-110).**

Provides guidance on airport related signs and graphics.

**150/5370-2C Operational Safety on Airports During Construction (5-31-84). (AAS-300).**

Concerning operational safety on airports with special emphasis on safety during periods of construction activity, to assist airport operators in complying with Part 139.

**150/5370-4 Procedures Guide for Using the Standard Specifications for Construction of Airports (5-29-84). (AAS-200).**

Provides guidance to the public in the use and application of the Standard Specifications for Construction of Airports.

**150/5370-6A Construction Progress and Inspection Report--Federal-Aid Airport Program (3-6-81). (AAS-200).**

Provides guidance for submission of a report on construction progress of Airport Development Aid Program (ADAP) projects.

**150/5370-10 Standards for Specifying Construction of Airports (10-24-74). (AAS-200).**

Provides construction standards usually used to specify grading, drainage, paving, lighting, fencing, and turfing items of work on civil airports. (12.00 Supt. Docs.) SN 050-007-00264-5. (Changes free from FAA.) (Changes 1 through 23 consolidated).

**+150/5370-10 Chg. 24 (10-24-74).**

**150/5370-11 Use of Nondestructive Testing Devices in the Evaluation of Airport Pavements (6-4-76). (AAS-200).**

Provides guidance to the public on the use of nondestructive testing devices as aids in the evaluation of the load-carrying capacity of airport pavements.

**150/5370-11 Chg. 1 (7-11-80).**

Transmits a revised curve showing the relationship between dynamic stiffness Modulus and Pavement Strength for use in the evaluation of flexible pavements.

**150/5370-12 Quality Control of Construction for Airport Grant Projects (9/6/85). (AAS-200).**

Provides information to ensure the quality of construction accomplished under the FAA Airports grant program.

**150/5380-5A Debris Hazards at Civil Airports (2-25-81). (AAS-100).**

Discusses problems of debris at airports, gives information on foreign objects, and tells how to eliminate such objects from operational areas.

**150/5380-6 Guidelines and Procedures for Maintenance of Airport Pavements (12-3-82). (AAS-200).**

Provides guidelines and procedures for maintenance of rigid and flexible airport pavements. (17.00 Supt. Docs.) SN 050-007-00627-6.

**150/5390-1B Heliport Design Guide (8-22-77). (AAS-100).**

Contains design guidance material for the development of heliports, both surface and elevated.

**150/5390-1B Chg. 1 (5-18-79).**

Transmits revisions to the recommended quantities of fire extinguishing agents for ground-level heliports and to guidance on offshore helicopter facilities.

**+150/5390-1B Chg. 2 (5-18-79).**

## AIR NAVIGATIONAL FACILITIES

Subject No. 170

**170-6C Use of Radionavigation Land Test Station and Signal Generators (2-13-81). (AES-500).**

Gives information as to the frequencies on which the FAA will authorize and the FCC will license radionavigation land test stations. It also discusses the interference potential of signal generators operating in aeronautical bands of the radio spectrum and how this interference can be alleviated.

**170-9 Criteria for Acceptance of Ownership and Servicing of Civil Aviation Interest(s) Navigational and Air Traffic Control Systems and Equipment (11-24-68). (AES-500).**

Contains a revised FAA policy under which the FAA accepts conditional ownership of equipment and systems from civil aviation interests, without the use of Federal funds, and operates, maintains, and provides the logistic support of such equipment.

**170-10 FAA Recommendations to FCC on Licensing of Non-Federal Radio Navigation Aids (10-17-69). (AES-500).**

Gives background information and describes the basis for recommendations to be made by the FAA to the Federal Communications Commission (FCC) regarding licensing of radio navigation aids.

**170-11 Amendment of Federal Aviation Regulation Part 171 (FAR-171)--Cost of Flight and Ground Inspections (9-17-70). (AES-500).**

Alerts the public to the amendment to FAR Part 171 pertaining to the payment of ground and flight inspection charges prior to the issuance of an approved IFR procedure.

**170-13 Approach Lighting System Configurations and Energy Conservation (9-6-77). (AES-500).**

Advises interested persons of the agency's plan for the next several years to improve federally owned approach light systems installed on instrument approach runways by adding low-impact resistance structures and reducing energy consumption.

## ADMINISTRATIVE

Subject No. 180

**183-32E FAA Designated Maintenance Technician Examiner Directory (4-24-86). (AVN-133).**

Transmits a consolidated directory of Designated Mechanic Examiners (DMEs)

(appendix 1) and Designated Parachute Rigger Examiners (DPREs) (appendix 2), as of April 16, 1986, under the authority of Federal Aviation Regulation Part 183.

**++183-33A Designated Airworthiness Representatives (10-1-85). (AUS-206).**

Contains information and guidance concerning the selection and appointment of Designated Airworthiness Representatives (DAR's), and identifies the specific functions which may be delegated to them.

**183-34 FAA Designated Airworthiness Representatives (Maintenance and Manufacturing) Directory (5-9-86). (AVN-133).**

Transmits a consolidated directory of Designated Airworthiness Representatives (DAR's) for both Maintenance (appendix 1) and Manufacturing (appendix 2), as of April 16, 1986, under the authority of Federal Aviation Regulation Part 183.

**++183-29-1U Designated Engineering Representatives (7-2-86). (AVN-113).**

Lists Designated Engineering Representatives who are available for consulting work. DERs, as direct representatives of the Federal Aviation Administration, are privileged to approve engineering or flight test information as complying with the Federal Aviation Regulations (within particular categories and subject to prescribed limitations).

## FLIGHT INFORMATION

Subject No. 210

**210-5A Military Flying Activities (8-1-80). (ATO-330).**

Presents information about military flying activities in the National Airspace System, describes the various types of routes and areas allocated for this purpose, and explains how information on the location and status of these routes and areas can be obtained.

**211-2 Recommended Standards for IFR Aeronautical Charts (3-20-67). (ATO-250).**

Sets forth standards recommended by the Federal Aviation Administration for the guidance of the public in the issuance of IFR aeronautical charts for use in the National Airspace System (NAS).

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## APPENDIX II

## ALPHABETICAL LIST OF ADVISORY CIRCULARS

This list ignores the "The" "A", and "FAA" in creating an alphabetical order (Acronym shown after each listing indicates the routing symbol of the Office of Primary Interest (OPI). Each Title is shown alphabetically succeeding the identification number.

NUMBER -- TITLE IS LISTED ALPHABETICALLY

## A

- 43-13-1A  
-- Acceptable Methods, Techniques and Practices--Aircraft Inspection and Repair (4-17-72). (AFS-340). (88.00--Supt. Docs.) SN 050-007-00461-3.
- 43-13-2A  
-- Acceptable Methods, Techniques, and Practices--Aircraft Alterations (6-9-77). (AFS-340). (85.50 Supt. Docs.) SN 050-007-00625-0. (Includes Chg. 1).
- 20-60  
-- Accessibility to Excess Emergency Exits (7-18-68). (ANM-110A).
- 90-34  
-- Accidents Resulting from Wheelbarrowing In Tricycle Gear Equipped Aircraft (2-27-68). (AFS-825).
- 150/5100-10A  
-- Accounting Records Guide for Airport Aid Program Sponsors (4-13-76). (APP-500).
- 91-48  
-- Acrobatics--Precision Flying With a Purpose (6-29-77). (AFS-820).
- 25-672-1  
-- Active Flight Controls (11-15-83). (ANM-110B).
- 135-7  
-- Additional Maintenance Requirements for Aircraft Type Certificated for Nine or Less Passenger Seats; FAR 135; (10-24-78). (AFS-350).
- 121-25  
-- Additional Weather Information: Domestic and Flag Air Carriers (9-16-77). (AFS)-224).
- 150/5000-3J  
-- Address List for Regional Airports Divisions and Airports District/Field Offices (4-22-86). (ARP-11).
- 150/5200-24  
-- Address List of State Offices of Emergency Medical Services (10-11-77). (AAS-100).
- 43-4  
-- Advanced Ground Instructor Written Test Guide, 1980 (4-28-80). (AFS-310).-- (8 5-50 Supt. Docs.) SN 050-007-00555-5.
- 00-2YV  
-- Advisory Circular Checklist (10-15-85). (AMS-420).
- 20-123  
-- Avoiding Or Minimizing Encounters With Aircraft Equipped With Depleted Uranium Balance Weights During Accident Investigations (12-20-84). (AFS-330).
- 137-1  
-- Agricultural Aircraft Operations (11-29-65). (AFS-820).
- 60-11A  
-- Aids Authorized for Use by Airman Written Test Applicants (12-14-79). (AFS-5).
- 120-36  
-- Air Carrier Dispersal Planning Program (6-5-78). (ATF-10).
- 108-1  
-- Air Carrier Security (10-16-81). (ACS-3). (83.75 Supt. Docs.) SN 050-007-00642-0.
- 135-11A  
-- Air Taxi Operators (8-30-84). (AVN-121). (84.50 Supt. Docs.) SN 050-007-00633-1.
- 135-3B  
-- Air Taxi Operators and Commercial Operators (12-1-78). (Consolidated reprint includes changes 1 and 2). (AFS-250).
- 90-65A  
-- Air Traffic Fuel Economy Program (8-21-80). (AT0-370).
- 120-32  
-- Air Transportation of Handicapped Persons (3-25-77). (AFS-223).
- 120-34  
-- Air Transportation of Mental Patients (6-29-77). (AFS-223).
- 150/5340-27A  
-- Air-to-Ground Radio Control of Airport Lighting Systems (3-4-86). (AAS-200).
- 20-67B  
-- Airborne VHF Communications Equipment Installations (1-16-86). (AWS-120).
- 150/5220-9  
-- Aircraft Arresting System for Joint Civil/Military Airports (4-6-70). (AAS-300).
- 20-103  
-- Aircraft Engine Crankshaft Failure (3-7-78). (AFS-340).



33-2A  
-- Aircraft Engine Type Certification Handbook (6-5-72). (ANE-105).  
150/5210-6C  
-- Aircraft Fire and Rescue Facilities and Extinguishing Agents (1-30-85). (AAS-100).  
150/5210-7B  
-- Aircraft Fire and Rescue Communications (4-30-84). (AAS-120).  
20-43C  
-- Aircraft Fuel Control (10-20-76). (AWS-120).  
150/5230-4  
-- Aircraft Fuel Storage, Handling, and Dispensing On Airports (8-27-82). (AAS-300).  
00-34A  
-- Aircraft Ground Handling and Servicing (7-29-74). (AFS-340).  
20-73  
-- Aircraft Ice Protection (4-21-71). (AWS-140).  
20-106  
-- Aircraft Inspection for the General Aviation Aircraft Owner (April 1978). (AWS-3). (85.00 Supt. Docs.) SN 050-007-00449-4.  
20-37C  
-- Aircraft Metal Propeller Blade Failure (7-15-80). (AFS-310).  
20-308  
-- Aircraft Position Light and Anticollision Light Installation (7-20-81). (AWS-130).  
20-74  
-- Aircraft Position and Anticollision Light Measurements (7-29-71). (AWS-130).  
90-23D  
-- Aircraft Wake Turbulence (12-15-72). (AFS-210).  
120-27A  
-- Aircraft Weight and Balance Control (5-14-80). (AFS-310).  
65-11A  
-- Airframe and Powerplant Mechanics Certification Information (4-21-71). (AFS-340). (81.75 Supt Docs.) SN 050-007-00171-1.  
65-12A  
-- Airframe and Powerplant Mechanics Powerplant Handbook (4-12-76). (AFS-340). (812.00 Supt. Docs.) SN 050-007-00373-1.  
65-15A  
-- Airframe and Powerplant Mechanics Airframe Handbook (4-12-76). (AFS-340). (813.00 Supt. Docs.) SN 050-007-00391-9.  
65-2D  
-- Airframe and Powerplant Mechanics Certification Guide (1-30-76). (AFS-340). (85.00 Supt. Docs.) SN 050-007-00331-5.

65-9A  
-- Airframe and Powerplant Mechanics-- General Handbook (4-12-76). (AFS-340). (818.00 Supt. Docs.) SN 050-007-00379-0.  
61-77  
-- Airline Transport Pilot Airplane Practical Test Guide (Part 61 Revised) (4-23-74). (AVN-12). (84.25 Supt. Docs.) SN 050-007-00257-2.  
61-82  
-- Airline Transport Pilot--Helicopter-- Flight Test Guide (8-25-76). (AVN-132). (82.50 Supt. Docs.) SN 050-007-00358-7.  
91-51  
-- Airplane Deice and Anti-Ice Systems (9-15-77). (AFS-806).  
60-6B  
-- Airplane Flight Manuals (AFM), Approved Linal Materials, Markings, and Placards-- Airplanes (9-25-80). (AFS-5).  
120-40A  
-- Airplane Simulator And Visual System Evaluation (7-31-86). (ASO-205).  
150/5335-2  
-- Airport Aprons (1-27-65). (AAS-100).  
150/5060-5  
-- Airport Capacity And Delay (9-23-83). (AAS-100).  
150/5360-2  
-- Airport Cargo Facilities (4-6-64). (AAS-100).  
150/5300-12  
-- Airport Design Standards-- Transport Airports (2-28-83). (AAS-110).  
150/5300-2D  
-- Airport Design Standards--Site Requirements for Terminal Navigational Facilities (3-10-80). (AAS-100).  
150/5320-5B  
-- Airport Drainage (7-1-70). (AAS-200). (85.50 Supt. Docs.) SN 050-007-00149-5.  
150/5210-2A  
-- Airport Emergency Medical Facilities and Services (11-27-84). (AAS-300).  
150/5210-10  
-- Airport Fire and Rescue Equipment Building Guide (12-7-67). (AAS-100).  
150/5210-14  
-- Airport Fire and Rescue Personnel Protective Clothing (3-12-86). (AAS-100).  
150/5220-14A  
-- Airport Fire and Rescue Vehicle Specification Guide (2-25-85). (AAS-100).  
150/5100-16  
-- Airport Improvement Program Grant Assurance Number One - General Federal Requirements, (7-22-85). (APP-510).

- 150/5320-14  
-- Airport Landscaping for Noise Control Purposes (1-31-78). (APP-400).
- 150/5070-6  
-- Airport Master Plans (2-5-71). (APP-400). (#5.00 Supt. Docs.) SN 050-008-00004-5.  
150/5340-21  
-- Airport Miscellaneous Lighting Visual Aids (3-25-71). (AAS-200).
- 150/5280-1  
-- Airport Operations Manual (6-16-72). (AAS-310).  
139-12-1  
-- Airport Operations Specifications (2-3-75). (AAS-300).
- 150/5320-6C  
-- Airport Pavement Design and Evaluation (12-7-78). (Consolidated reprint incorporates Change 1.) (AAS-200).
- 90-88  
-- Airport Radar Service Area (ARSA) (6-23-86). (ATO-320).
- 150/5200-18A  
-- Airport Safety Self-Inspection (12-18-85). (AAS-310).
- 150/5360-12  
-- Airport Signing and Graphics (12-23-85). (AAS-110).  
150/5200-23A  
-- Airport Snow and Ice Control (1-25-85). (AAS-120).
- 150/5220-11  
-- Airport Snowblower Specification Guide (4-10-78). (AAS-100).
- 150/5220-12  
-- Airport Snowsweeper Specification Guide (6-12-78). (AAS-100).
- 150/5360-6  
-- Airport Terminal Building Development with Federal Participation (10-5-76). (AAS-100).  
150/5050-6  
-- Airport-Land Use Compatibility Planning (12-30-77). (APP-400). (#5.50 Supt. Docs.) SN 050-007-00417-6.
- 121-26  
-- Airports--Required Data (6-29-81). (AFS-250).
- 70-2D  
-- Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports (8-1-79). (ATO-240).
- 20-121  
-- Airworthiness Approval of Airborne Loran-C Systems for Use in the U.S. National Airspace System (8-23-84). (AFS-350).
- 39-7A  
-- Airworthiness Directives for General Aviation Aircraft (9-17-82). (AFS-310).
- 20-112  
-- Airworthiness and Operational Approval of Airborne Systems to be Used in Lieu of Ground Proximity Warning System (GWPS) (2-19-81). (AWS-130).
- 121.195(d)-1  
-- Alternate Operational Landing Distances for Wet Runways; Turbojet Powered Transport Category Airplanes (11-19-85).
- 91-14D  
-- Altimeter Setting Sources (4-9-79). (AFS-340).  
43-203B  
-- Altimeter and Static System Tests and Inspections (6-20-79). (AFS-350).
- 91-22A  
-- Altitude Alerting Devices/Systems (12-23-71). (AFS-210).
- 170-11  
-- Amendment of Federal Aviation Regulation Part 171 (FAR 171) -- Cost of Flight and Ground Inspections (9-17-70). (AES-10).
- 21-15E  
-- Announcement of Availability-- Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications (2/18/86). (AVN-113).
- 150/5360-10  
-- Announcement of Availability-- Airport Landslide Simulation Model (ALSIM) (4-24-84). (AAS-3).
- 150/5000-4B  
-- Announcement of Availability-- Airport Research and Technical Reports (2-11-85). (AAS-100).
- 60-16  
-- Announcement of Availability: FAA-P-8080-1, IFR and VFR Pilot EXAM-0-GRAMS (9-4-80). (AVN-112).
- 61-95  
-- Announcement of Availability: FAA-S-8081, Private Pilot Practical Test Standards (8-22-84). (AVN-131).
- 61-96  
-- Announcement of Availability: FAA-S-8081-2, Commercial Pilot Practical Test Standards, 7/22/85. (AVN-131).
- 150/5360-4A  
-- Announcement of Availability of Guidelines for Federal Inspection Services Facilities at International Airports of Entry and at Landing Rights Airports (10-7-77). (AAS-200).
- 150/5200-15C  
-- Announcement of Availability-- International Fire Service Training Association's Manual 206, Aircraft Fire Protection and Rescue Procedures (Second Edition, 1978) (8-26-82). (AAS-100).

- 60-19  
-- Announcement of Availability-- New Series  
Written Test Question Books (4-1-85). (AVN-132).
- 150/5360-5A  
-- Announcement of Availability of the  
International Civil Aviation Organization (ICAO)  
Computer Data Bank Materials (10-26-84).  
(AAS-102).
- 150/5360-8A  
-- Announcement of Availability of Information  
on Foreign Airport Planning, Design,  
Construction, and Trade Opportunities  
(10-26-84). (AAS-102).
- 150/5200-27A  
-- Announcement of Availability-- The National  
Fire Protection Association's Standard for  
Airport Fire Fighter Professional Qualifications  
(NFPA 1003-1978) (2-1-84). (AAS-100).
- 21.303-2F  
-- Announcement of Availability-- Parts  
Manufacturer Approvals--1984 (Microfiche)  
(1-22-85). (AVN-113). ("Parts Manufacturer  
Approvals" publication is \$23.00-- Domestic and  
\$28.75-- Foreign Supt. Docs. SN 050-007-00598-9).
- 20-108  
-- Announcement of Availability-- Report No.  
AS120-73-2, Fatigue Evaluation of Wing and  
Associated Structure on Small Airplanes  
(7-17-78). (AWS-120).
- 150/5300-11  
-- Announcement of Availability Report No.  
FAA-AAS-80-1, National Runway Friction  
Measurement Program (4-21-81). (AAS-200).
- 39-6L  
-- Announcement of Availability-- Summary of  
Airworthiness Directives (3-14-86). (AVN-113).
- 21-5H  
-- Announcement of Availability-- Summary of  
Supplemental Type Certificates 1984 Edition  
(4-25-84). (AVN-113).
- 90-84  
-- Announcement of Availability: North Pacific  
(NOPAC) Operations Manual, Second Edition  
(11-21-84). (AT0-331).
- 90-86  
-- Announcement of Availability: North Atlantic  
MNPS Airspace Operations Manual, Fourth Edition  
(7/19/85). (AFS-220).
- 150/5200-21A  
-- Announcing the Availability of U.S. Air Force  
Technical Order (T.O. 00-105E-9) Aircraft  
Emergency Rescue Information (2-24-81).  
(AAS-100).
- 150/5200-22  
-- Announcing the Availability of the  
International Civil Aviation Organization  
Airport Services Manual, DOC-9137-AN-898, Part  
3, Bird Control and Reduction (3-16-76).  
(AAS-100).
- 61-66  
-- Annual Pilot in Command Proficiency Checks  
(11-2-73). (AFS-840).
- 20-122  
-- Anti-misfueling Devices: Their Availability  
and Use (10-5-84). (AFS-340).
- 20-99  
-- Antiskid and Associated Systems (5-27-77).  
(AWS-120).
- 145.101-1B  
-- Application for Air Agency  
Certificate--Manufacturer's Maintenance Facility  
(11-30-83). (AWS-202).
- 21-12  
-- Application for U.S. Airworthiness  
Certificate, FAA Form 8130-6 (OMB 04-R0056)  
(1-17-73). (AWS-202). (83.00 Supt. Docs.) SN  
050-007-00637-3.
- 170-13  
-- Approach Lighting System Configurations and  
Energy Conservation (9-6-77). (AES-500).
- 29-1  
-- Approval Basis for Automatic Stabilization  
Equipment (ASE) Installations in Rotorcraft  
(12-26-63). (ASW-100).
- 90-80  
-- Approval of Airborne Radar Approach (ARA)  
Procedures For Helicopters to Offshore Platforms  
(5-18-81). (AVN-100).
- 90-45A  
-- Approval of Area Navigation Systems for Use  
in the U.S. National Airspace System (2-21-75).  
(AFS-210).
- 23.1521-1  
-- Approval of Automobile Gasoline (Autogas) in  
Lieu of Aviation Gasoline (Avgas) in Small  
Airplanes With Reciprocating Engines (1-25-85).  
(ACE-111).
- 135-10  
-- Approved Aircraft Inspection Program  
(9-17-81). (AFS-330).
- 150/5345-1R  
-- Approved Airport Lighting Equipment  
(7-7-86). (AAS-200).
- 150/5100-14A  
-- Architectural, Engineering, and Planning  
Consultant Services for Airport Grant Projects  
(2-7-85). (AAS-200).
- 150/5220-16  
-- Automated Weather Observing Systems (AWOS)  
for Non-Federal Applications, (4-11-86).  
(AAS-200).
- 20-57A  
-- Automatic Landing Systems (ALS) (1-12-71).  
(ANM-110).

25-1329-1A  
-- Automatic Pilot Systems Approval (7-8-68).  
(ANM-110A).

43-6A  
-- Automatic Pressure Altitude Encoding Systems  
and Transponders Maintenance and Inspection  
Practices (11-11-77). (AFS-310).

91-54  
-- Automatic Reporting Systems--Altimeter  
Setting and Other Operational Data (2-26-78).  
(AFS-820).

25-8  
--Auxiliary Fuel System Installations  
(5-2-86). (ANM-112).

60-12  
-- Availability of Industry-Developed Guidelines  
for the Conduct of the Biennial Flight Review  
(2-11-76). (AFS-5).

60-14  
-- Aviation Instructor's Handbook (7-7-76).  
(AFS-820). Cancels AC 61-16A. (86.00 Supt.  
Docs.) SN 050-011-00072-1.

00-46C  
-- Aviation Safety Reporting Program (2-4-85).  
(ASF-200).

109-1  
-- Aviation Security--Acceptance and Handling  
Procedures Indirect Air Carrier Security  
(3-3-82). (ACS-100). (82.25 Supt. Docs.) SN  
050-007-00643-8.

107-1  
-- Aviation Security--Airports (5-19-72).  
(ACS-100).

135-4A  
-- Aviation Security: Air Taxi Commercial  
Operators (ATCO) (4-15-76). (ACS-100).

00-6A  
-- Aviation Weather (3-3-75). (AFS-5). (88.50  
Supt. Docs.) SN 050-007-00283-1.

00-45C  
-- Aviation Weather Services (6-12-85).  
(AFS-200/ADL-15).

B

150/5325-3  
-- Background Information on the Aircraft  
Performance Curves for Large Airplanes  
(1-26-85). (AAS-110).

61-13B  
-- Basic Helicopter Handbook (Revised 1978).  
(AFS-820). (85.50 Supt. Docs.) SN 050-011-00074-7.

21-18  
-- Bilateral Airworthiness Agreements  
(8-20-82). (AWS-110). (87.00 Supt Docs.) SN  
050-007-00614-4.

150/5220-15  
-- Buildings For Storage and Maintenance of  
Airport Snow Removal and Ice Control Equipment:  
A Guide (3-25-83). (AAS-120).

C

91-83-10  
-- Canceling or Closing Flight Plans (6-24-82).  
(AT0-360).

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Aircraft--Detection and Prevention (11-24-72).  
(AWS-140).

21-17  
-- Carriage of Cargo in Restricted Category  
Aircraft and Other Special Purpose Operations  
(3-15-82). (AWS-206). (81.75 Supt. Docs.) SN  
050-007-00638-1.

91-16  
-- Category II Operations--General Aviation  
Airplanes (8-7-67). (AFS-200).

36-10  
-- Certificated and International Airplane Noise  
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65-24  
-- Certification Of A Repairman (General)  
(2-1-83). (AFS-310).

27-1  
-- Certification of Normal Category Rotorcraft  
(8/29/85). (ASW-110).

23.1419-1  
-- Certification of Small Airplanes  
for Flight in Icing Conditions (9-2-86).  
(ACE-111).

29-2  
-- Certification Of Transportation Category  
Rotorcraft (5-20-83). (ASW-110).

21.303-1A  
-- Certification Procedures for Products and  
Parts (8-10-72). (AWS-200).

21-7A  
-- Certification and Approval of Import Products  
(11-24-69). (AWS-200).

20-27C  
-- Certification and Operation of Amateur-Built  
Aircraft (4-1-83). (AWS-203).

65-23  
-- Certification of Repairmen (Experimental  
Aircraft Builders) (9-28-79). (AFS-300).

61-65B  
-- Certification: Pilot and Flight Instructors  
(8-6-84). (AFS-840).

150/5345-5A  
-- Circuit Selector Switch (3-23-82). (AAS-200).

150/5050-4  
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25.1457-1A  
-- Cockpit Voice Recorder Installations (11-3-69). (ANM-110A).

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-- Cold Weather Operation of Aircraft (7-24-79). (AFS-806).

20-111  
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20-69  
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-- Construction Progress and Inspection Report--Federal-Aid Airport Program (3-6-81). (AAS-200).

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150/5050-5  
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23-679-1  
-- Control System Locks, 7-25-85). (ACE-111).

23-683-1  
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-- Coordination of Air Traffic Control Procedures and Criteria (6-13-63). (AT0-370).

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-- Corrosion Control for Aircraft (5-15-73). (AFS-310).

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-- Criteria For Operational Approval Of Airborne Wind Shear Alerting and Flight Guidance Systems (11-7-83). (AFS-210).

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120-28C  
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-- Criteria for Approving Category I and Category II Landing Minima for FAR 121 Operators (9-25-70). (AFS-210).

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-- Cutouts in a Modified Fuselage of Small Airplanes (8-6-86). (ACE-111).

D

25.571-1A  
-- Damage-Tolerance and Fatigue Evaluation of Structure (3-5-86). (ANM-112).  
150/5380-5A  
-- Debris Hazards at Civil Airports (2-25-81). (AAS-100).

00-26  
-- Definitions of "U.S. National Aviation Standards" (1-22-69). (APM-11).

33-4  
-- Design Considerations Concerning The Use Of Titanium In Aircraft Turbine Engines (7-28-83). (ANE-110).

25.974-1  
-- Design Considerations to Protect Fuel Systems During a Wheel-Up Landing (7-24-86). (ANM-111).

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21.431-1A  
-- Designated Alteration Station Authorization Procedures (12-19-85). (AWS-110).

183-29-1U  
-- Designated Engineering Representatives (7-2-86). (AVN-113).

- 183-32E  
-- Designated Maintenance Technician Examiners Directory; FAA (4/24/86). (AVN-133).
- 150/5000-5A  
-- Designated U.S. Airports Serving International Air Traffic (5-16-85). (AAS-120).
- 120-26F  
-- Designator/Radio Telephony Assignment for Aircraft Operating Agencies, Aeronautical Authorities Services (4-1-80). (ATO-200).
- 140-6C  
-- Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation No. 36; The (2-3-84). (AFS-340).
- 150/5100-13  
-- Development of State Standards for General Aviation Airports (3-1-77). (AAS-200).
- 20-94  
-- Digital Clock Installation in Aircraft (3-4-76). (AFS-350).
- 147-2X  
-- Directory of FAA Certificated Aviation Maintenance Technician Schools (10-83). (AVN-120). (\$1.00 Supt. Docs.) SN 050-007-00665-9.
- 23.807-2  
-- Doors Between Pilot's Compartment and Passenger Cabin in Small Airplanes (9-22-83). (ACE-112).
- 20-71  
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- E
- 150/5340-14B  
-- Economy Approach Lighting Aids (6-19-70). (Consolidated reprint includes Changes 1 and 2). (AAS-200).
- 20-62C  
-- Eligibility, Quality, and Identification of Approved Aeronautical Replacement Parts (8-26-76). (AFS-340).
- 20-118  
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- 23.807-1  
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- 23.807-3  
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- 90-78  
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- 150/5360-11  
-- Energy Conservation for Airport Buildings (5-31-84). (AAS-200).
- 20-105A  
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- 150/5190-2A  
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- 25.939-1  
-- Evaluating Turbine Engine Operating Characteristics (3/19/86). (ANM-112).
- 21-2E  
-- Export Airworthiness Approval Procedures (5-18-81). (AWS-200). (\$6.00 Supt. Docs) SN 050-007-00644-6.
- 120-42  
-- Extended Range Operation With Two-Engine Airplanes, (6-6-85). (AFS-210-/ANM-110).
- 20-47  
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- 150/5355-2  
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- 135-9  
-- FAR Part 135, Icing Limitations (5-30-81). (AFS-250).
- 20-95  
-- Fatigue Evaluation of Rotorcraft Structure (5-18-76). (AWS-110E).
- 140-7D  
-- Federal Aviation Administration Certificated Maintenance Agencies Directory (10-83). (AVN-121). (\$13.00 Supt. Docs.) SN 050-007-00666-7.
- 150/5150-2B  
-- Federal Surplus Personal Property for Public Airport Purposes (10-1-84). (APP-510).
- 150/5200-12A  
-- Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident (4-8-85). (AAS-100).

150/5280-3  
-- Fire Fighting Exemptions Under the 1976  
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(2-4-77). (AAS-100)

150/5230-3  
-- Fire Prevention During Aircraft Fueling  
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150/5210-12  
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25.853-1  
-- Flammability Requirements for Aircraft Seat  
Cushions (9-17-86). (ANM-110).

23-2  
-- Flammability Tests (8-20-84). (ACE-111).

25.785-1  
-- Flight Attendant Seat Requirements  
(12-4-81). (AUS-120).

61-58A  
-- Flight Instructor Practical Test Guide  
(Revised 1978). (AVN-110). (83.50 Supt.  
Docs.) SN 050-011-00076-3.

90-76A  
-- Flight Operations in Oceanic Airspace  
(9-18-84). (AT0-331).

21-10A  
-- Flight Recorder and Cockpit Voice Recorder  
Underwater Locating Devices (4-19-83).  
(ANM-112).

25-7  
-- Flight Test Guide for Certification of  
Transport Category Airplanes (4-9-86).  
(ANM-112).

61-56A  
-- Flight Test Guide, Instrument Pilot Airplane  
(5-7-76). (AVN-132). (83.75 Supt. Docs.) SN  
050-007-00343-9.

61-64A  
-- Flight Test Guide--Instrument Pilot  
Helicopter (5-25-77). (AVN-110). (81.75 Supt.  
Docs.) SN 050-007-00404-4.

61-21A  
-- Flight Training Handbook (Revised 1980).  
(with Errata Sheet). (AFS-824).

25.812-1  
-- Floor Proximity Emergency Escape Path  
Marking (9/30/85). (ANM-110).

25.629-1  
-- Flutter Substantiation of Transport Category  
Airplanes (1-4-85). (ANM-111).

150/5200-4  
-- Foaming of Runways (12-21-66). (AAS-300).

129-3  
-- Foreign Air Carrier (6-10-82). (ACS-120).  
(82.50 Supt. Docs.) SN 050-007-00641-1.

00-25  
-- Forming and Operating a Flying Club  
(3-24-69). (AVP-300).

20-119  
-- Fuel Drain Valves (2-7-83). (AUS-130).

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43-16  
-- General Aviation Airworthiness Alerts.  
(AVN-110).

91-49  
-- General Aviation Procedures for Flight in  
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Specifications Airspace (8-23-77). (AFS-824).

20-100  
-- General Guidelines for Measuring  
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Powerplant Compartments (9-21-77). (AUS-140).

20-44  
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(9-3-65). (AUS-120).

91-41  
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(3-12-74). (ACE-200).

121-27  
-- Guide For Air Carriers, Freight Forwarders,  
and Shippers in Obtaining Information Dealing  
with the Transportation of Hazardous Materials  
by Air (12-22-83). (ACS-100).

145-3  
-- Guide For Developing and Evaluating Repair  
Station Inspection Procedures Manuals  
(2-13-81). (AFS-310).

150/5220-10  
-- Guide Specification for Water/Foam Type  
Aircraft Fire and Rescue Trucks (5-26-72).  
(AAS-100).

91.11-1  
-- Guide to Drug Hazards in Aviation Medicine  
(7-19-83). (AAM-620). (85.50 Supt. Docs.) SN  
050-009-00001-7.

150/5380-6  
-- Guidelines and Procedures for Maintenance of  
Airport Pavements (12-3-82). (AAS-200). (87.00  
Supt. Docs.) SN 050-007-00627-6.

25.981-1A  
-- Guidelines for Substantiating Compliance With  
the Fuel Tank Temperature Requirements  
(1-20-71). (AUS-110E).

20-88A  
-- Guidelines on the Marking of Aircraft  
Powerplant Instruments (Displays) (9-30-85).  
(ANM-112).

91-46  
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20-42B  
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(5-1-74). (AAM-620).

91-61  
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61-67A  
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(AFS-331).

90-87  
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(AFS-840).

150/5390-1B  
-- Heliport Design Guide (8-22-77). (AAS-100).

25.253-1A  
-- High-Speed Characteristics (12-27-76).  
(ANM-110A).

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20-110C  
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(5-13-86). (AUS-110).

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(ANM-110).

121-218  
-- Information Guide for Training Programs and  
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21-22  
-- Injury Criteria for Human Exposure to Impact  
(6/20/85). (AUS-120).

65-13H  
-- Inspection Authorization Directory; FAA  
(6-7-85). (AVN-132). (86.50 Supt. Docs.) SN  
050-007-00626-8.

65-19B  
-- Inspection Authorization Study Guide (Revised  
June 1978). (AFS-340). (84.50 Supt. Docs.) SN  
050-007-00447-8.

91-59  
-- Inspection and Care of General Aviation  
Aircraft Exhaust Systems (8-20-82). (AFS-340).

145-4  
-- Inspection, Retread, Repair and Alterations  
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150/5340-4C  
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23.1305-1  
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23.909-1  
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43.9-1D  
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(9-5-79). (AFS-310).

61-27C  
-- Instrument Flying Handbook (11-5-79).  
(AVN-100). (88.50 Supt. Docs.) SN  
050-007-00585-7.

150/5355-1A  
-- International Signs to Facilitate Passengers  
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23-b  
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150/5100-bC  
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23-729-1  
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(3/26/84). (ACE-111).

91-38A  
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(AFS-200).

90-67A  
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150/5345-45  
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140-2R  
-- List of Certificated Pilot Schools (10-83).  
(AVN-121). (82.00 Supt. Docs.) SN  
050-007-00664-1.

00-50A  
-- Low Level Wind Shear (1-23-79). (AFS-5).

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121-1b  
-- Maintenance Certification Procedures  
(11-9-70). (AFS-330).

120-17A  
-- Maintenance Control by Reliability Methods  
(3-27-78). (AFS-330).

20-52  
-- Maintenance Inspection Notes for Douglas  
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Reprint-- includes Change 1). (AFS-310).

20-59  
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-- Maintenance Inspection Notes for Boeing 8-737  
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8-707/720 Series Aircraft (10-21-71). (AFS-310).

20-78  
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(AVS-16).

- 20-84  
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- 135-5B  
-- Maintenance Program Approval for Carry-On Oxygen Equipment for Medical Purposes (9-26-83). (AFS-310).
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- 43-10A  
-- Mechanical Work Performed on U.S. and Canadian Registered Aircraft (2-25-83). (AFS-310).
- 67-2  
-- Medical Handbook for Pilots (5-15-74). (AAM-620). (\$5.00 Supt. Docs.) SN 050-007-00254-B.
- 67-1  
-- Medical Information for Air Ambulance Operators (3-4-74). (AAM-620).
- 150/5320-12A  
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- 61-83B  
-- Nationally Scheduled (FAA) Approved, Industry-Conducted Flight Instructor Refresher Clinics (7-6-84). (AFS-840).
- 60-17A  
-- New Airmen Written Test System (12-29-83). (AVN-132).
- 00-33A  
-- Nickel-Cadmium Battery Operational, Maintenance, and Overhaul Practices (2-14-73). (AFS-340).
- 91-53  
-- Noise Abatement Departure Profile (10-17-78). (AFS-223).
- 150/5020-2  
-- Noise Assessment Guidelines for New Heliports (12-9-83). (AEE-110).

36-4A  
-- Noise Certification Test And Analysis  
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150/5020-1  
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(5-11-73). (AFS-330). (84.50 Supt. Docs.) SN  
050-007-00208-4.

20-120  
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(6-18-84). (AES-520).

11-2A  
-- Notice of Proposed Rulemaking Distribution  
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70/7460-1G  
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(ATO-210).

20-101B  
-- Omega and Omega/VLF Navigation Systems  
Approvals for Use in the Conterminous United  
States and Alaska (12-1-80). (AWS-110). (81-75  
Supt. Docs.) SN 050-007-00639-0.

120-33  
-- Operational Approval of Airborne Long-Range  
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Specifications Airspace (6-24-77). (AFS-223).

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Airborne Omega Radio Navigation Systems as a  
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Airborne Omega Radio Navigational Systems as a  
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(12-12-80). (AVN-100/AWS-130).

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Traffic Airports (HDTA's) (4-22-85). (ATO-230).

125-1  
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(1-22-81). (AFS-820).

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65-5A  
-- Parachute Rigger--Senior/Master-  
Certification Guide (12-20-74). (AFS-340).  
(81-75 Supt. Docs.) SN 050-007-00287-4.

135-12  
-- Passenger Information, FAR Part 135:  
Passenger Safety Information Briefing And  
Briefing Cards (10-9-84). (AFS-250).

121-24  
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29.773-1  
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(3-25-81). (AFS-260).

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(AFS-840).

- 61-98  
-- Pilot Transition Courses for Complex Single Engine and Light, Twin-Engine Airplanes (1-15-74). (AVN-112). (#3.00 Supt. Docs.) SN 050-007-00226-2.
- 61-238  
-- Pilot's Handbook of Aeronautical Knowledge (4-3-79). (AVN-100). (#10.00 Supt. Docs.) SN 050-011-00077-7.
- 60-4A  
-- Pilot's Spatial Disorientation (2-9-83). (AFS-5).
- 91-23A  
-- Pilot's Weight and Balance Handbook (6-9-77). (AVN-132). (#5.00 Supt. Docs.) SN 050-007-00405-2.
- 90-48C  
-- Pilots' Role in Collision Avoidance (3-18-83). (AFS-820).
- 20-40  
-- Placards for Battery-Excited Alternators Installed in Light Aircraft (8-11-65). (AWS-120).
- 20-5E  
-- Plane Sense (6-25-81). (AVN-120).
- 150/5360-7  
-- Planning and Design Consideration for Airport Terminal Building Development (9-5-76). (AAS-100).
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- 150/5070-3  
-- Planning the Airport Industrial Park (9-30-65). (APP-400).
- 150/5070-5  
-- Planning the Metropolitan Airport System (5-22-70). (APP-400). (#5.50 Supt. Docs.) SN 050-008-00003-7.
- 150/5050-3A  
-- Planning the State Airport System (6-72). (APP-400). (#6.00 Supt. Docs.) SN 050-007-00184-3.
- 150/5300-7B  
-- Policy on Facility Relocations Occasioned by Airport Improvements or Changes; FAA (11-8-72). (ABU-10).
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- 20-48  
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- 150/5345-28D  
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- 150/5300-9A  
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- 121-23  
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- 20-34D  
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- 43-12A  
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120-12A  
--Private Carriage Versus Common Carriage of Persons or Property (4-26-86). (AFS-820).
- 61-10A  
-- Private and Commercial Pilots Refresher Courses (9-27-72). (AVN-112). (#3.75 Supt. Docs.) SN 050-011-00060-7.
- 23.1011-1  
-- Procedures For Determining Acceptable Fuel/Oil Ratio As Required By FAR 23.1011(b) (11-14-83). (ACE-111).
- 150/5370-4  
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- 90-81  
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- 21-1B  
-- Production Certificates (5-10-76). (AWS-200).
- 21-6A  
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- 139.49-1  
-- Programs for Training of Fire Fighting and Rescue Personnel (11-12-74). (AAS-100).
- 70/7460-2H  
-- Proposed Construction or Alteration of Objects That May Affect the Navigable Airspace (11-15-85). (ATO-210).
- 20-53A  
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21-16B  
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91-55  
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-- Removal of Disabled Aircraft (8-27-70). (AAS-100).

145-2  
-- Repair Station Limited Ratings Beech 18 Series Aircraft (4-21-76). (AFS-340).

61-93  
-- Replacing the Flight Test Guides With Practical Test Standards (3-27-84). (AVN-131).

120-30A  
-- Reporting Requirements of Air Carriers, Commercial Operators, Travel Clubs, and Air Taxi Operators of Large and Small Aircraft (9-8-76). (AFS-310).

20-104  
-- Revised Powerplant Engineering Report No. 3, Standard Fire Test Apparatus and Procedure (for Flexible Hose Assemblies) (4-12-78). (AWS-140).

61-64B  
-- Role of Preflight Preparation (3-18-85). (AFS-840).

21-14  
-- Role of Simulation in the Aircraft Certification Process; The (6-12-75). (AWS-110).

133-1A  
-- Rotorcraft External-Load Operations in Accordance with FAR Part 133 (10-16-79). (AFS-824).

00-30  
-- Rules of Thumb for Avoiding or Minimizing Encounters with Clear Air Turbulence (3-5-70). (AFS-210).

150/5320-11  
-- Runway Categorization -- Aeronautical Studies Airport Owners' Responsibilities (9-21-73). (AAS-100).

150/5325-4  
-- Runway Length Requirements for Airport Design (4-5-65). (AAS-100).

150/5220-13A  
-- Runway Surface Condition Sensor--Interim Specification Guide (4-22-83). (AAS-300).

97-1A  
-- Runway Visual Range (RVR) (9-28-77). (AFS-224).

150/5340-24  
-- Runway and Taxiway Edge Lighting System (9-3-75). (AAS-200).

S

- 91-32A  
-- Safety In and Around Helicopters (6-21-79). (AFS-824).
- 20-45  
-- Safteyng of Turnbuckles on Civil Aircraft (9-17-65). (AWS-110).
- 108-3  
-- Screening of Persons Carrying U.S. Classified Material (11-6-61). (ACS-100).
- 99-1B  
-- Security Control of Air Traffic (8-2-65). (AT0-330).
- 108-2  
-- Security Rules--Carriage of Weapons and Escorted Persons (10-16-61). (ACS-3).
- 150/5200-6A  
-- Security of Aircraft at Airports (6-26-68). (AAS-300).
- 150/5340-5B  
-- Segmented Circle Airport Marker System (12-21-64). (AAS-200).
- 121-13  
-- Self-Contained Navigation Systems (Long Range) (10-14-69). (AFS-224).
- 23.607-1  
-- Self-Locking Nuts on Bolts Subject to Rotation (8-24-64). (ACE-111).
- 20-109  
-- Service Difficulty Program (General Aviation) (1-8-79). (AFS-310).
- 90-85  
-- Severe Weather Avoidance Plan (SWAP) (4-1-85) (AT0-410).
- 135.169-1  
-- Small Propeller-Driven Air Taxi Airplanes That Meet Sections 135.169 (formerly 135.144) (9-24-79). (AWS-110).
- 25-9  
-- Smoke Detection, Penetration, and Evacuation Tests and Related Flight Manual Emergency Procedures (7-29-66). (ANM-112).
- 21-4B  
-- Special Flight Permits for Operation of Overweight Aircraft (7-30-69). (AWS-200).
- 150/5345-39B  
-- Specification L-853, Runway and Taxiway Centerline Retroreflective Markers (9-17-71). (AAS-200).
- 150/5345-49A  
-- Specification L-854, Radio Control Equipment (8-8-66). (AAS-200).
- 150/5345-42B  
-- Specification L-857, Airport Light Bases, Transformer Houses, and Junction Boxes; FAA (9-21-62). (AAS-200).
- 150/5345-12C  
-- Specification for Airport and Heliport Beacon (1-9-64). (AAS-200).
- 150/5345-10E  
-- Specification for Constant Current Regulators Regulator Monitors (10-16-64). (AAS-200).
- 150/5345-51  
-- Specification for Discharge-Type Flasher Equipment (8-14-61). (AAS-200).
- 150/5345-3D  
-- Specification for L-821 Panels for Remote Control of Airport Lighting (8-8-66). (AAS-200).
- 150/5345-26B  
-- Specification for L-823 Plug and Receptacle, Cable Connectors (1-28-61). (AAS-200).
- 150/5345-7D  
-- Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits (5-19-61). (AAS-200).
- 150/5345-13A  
-- Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (8-8-66). (AAS-200).
- 150/5345-43C  
-- Specification for Obstruction Lighting Equipment (6-10-60). (AAS-200).
- 150/5345-50  
-- Specification for Portable Runway Lights (10-16-78). (AAS-200).
- 150/5345-46A  
-- Specification for Runway and Taxiway Light Fixtures (6-7-64). (AAS-200).
- 150/5345-48  
-- Specification for Runway and Taxiway Edge Lights (8-1-75). (AAS-200).
- 150/5345-44D  
-- Specification for Taxiway and Runway Signs (4-30-64). (AAS-200).
- 150/5345-27C  
-- Specification for Wind Cone Assemblies (7-19-65). (AAS-200).
- 105-2A  
-- Sport Parachute Jumping (4-11-79). (AFS-620).
- 21-13  
-- Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts (4-5-73). (AWS-200).

- 121-1A  
-- Standard Operations Specifications--  
Aircraft Maintenance Handbook (6-26-73).  
(AFS-330).
- 150/5335-5  
-- Standardized Method of Reporting Airport  
Pavement Strength--PCN (6-15-83). (AAS-200).
- 150/5340-18B  
-- Standards for Airport Sign Systems  
(8-21-84). (AAS-200).
- 150/5370-10  
-- Standards for Specifying Construction of  
Airports (10-24-74). (AAS-200). (#12.00 Supt.  
Docs.) SN 050-007-00264-5. (Changes free from  
FAA).
- 150/5340-17B  
-- Standby Power for Non-FAA Airport Lighting  
Systems (1-6-86). (AAS-200).
- 00-7A  
-- State and Regional Disaster Airlift (SARDA)  
Planning (6-3-74). (AVS-14).
- 23-4  
-- Static Strength Substantiation of Attachment  
Points for Occupant Restraint System  
Installations (6-20-86). (ACE-111).
- 20-3C  
-- Status and Availability of Military Handbooks  
and ANC Bulletins for Aircraft (6-1-73).  
(AWS-110).
- 00-44X  
-- Status of the Federal Aviation Regulations  
(7-1-86). (AGC-206).
- 90-75  
-- Strobe Light System Inspection Practices  
(2-10-77). (AFS-310).
- 23-3  
-- Structural Substantiation of Secondary  
Structures (9/5/85). (ACE-111).
- 61-12J  
-- Student Pilot Guide (Revised 1979).  
(AVN-112). (#4.25 Supt. Docs.) SN  
050-007-00476-1.
- 23.955-1  
-- Substantiating Flow Rates and  
Pressures in Fuel Systems of Small  
Airplanes (6-10-85). (ACE-111).
- 20-41A  
-- Substitute Technical Standard Order (TSO)  
Aircraft Equipment (4-5-77). (AWS-120).
- 91-5b  
-- Supplemental Structural Inspection Program  
For Large Transport Category Airplanes  
(5-6-81). (AFS-310).
- 150/5340-23A  
-- Supplemental Wind Cones (6-24-75). (AAS-200).
- 21-20  
-- Supplier Surveillance Procedures (7-22-82).  
(AWS-200).
- 33.65-1  
-- Surge and Stall Characteristics of Aircraft  
Turbine Engines, 12/6/85. (ANE-110).
- 20-9b  
-- Surplus Military Aircraft--A Briefing for  
Prospective Buyers (12-2-76). (AWS-200).
- 25.1309-1  
-- System Design Analysis (9-7-82). (AWS-111).
- T
- 150/5340-19  
-- Taxiway Centerline Lighting System  
(11-14-88). (AAS-200).
- 20-33B  
-- Technical Information Regarding Civil  
Aeronautics Manuals 1, 3, 4a, 4b, 5, 6, 7, 8, 9,  
13 and 14. (5-1-75). (AWS-200).
- 91-63  
-- Temporary Flight Restrictions (TFR)  
(4-15-85). (AT0-230).
- 90-83  
-- Terminal Control Areas (TCA) (12-19-83).  
(AT0-320).
- 37-2A  
-- Test Procedures for Maximum Allowable  
Airspeed Indicators (10-22-74). (AWS-130).
- 00-24B  
-- Thunderstorms (1-20-83). (AFS-260).
- 20-35C  
-- Tie-Down Senses (7-12-83). (AFS-340).
- 90-42D  
-- Traffic Advisory Practices at Nontower  
Airports (4-15-85). (AT0-230).
- 60-18  
-- Transition Period For FAA Airman Written  
Tests And Unused Test Items (12-3-84).  
(AVN-130/AFS-840).
- 120-38  
-- Transport Category Airplanes Cabin Ozone  
Concentrations (10-10-80). (AFS-260).
- 91-37A  
-- Truth in Leasing (1-16-78). (AFS-820).
- 33-3  
-- Turbine and Compressor Rotors Type  
Certification Substantiation Procedures  
(9-9-68). (AWS-140).

39-18  
-- Turbine-Engine Foreign Object Ingestion and Rotor Blade Containment Type Certification Procedures (4-22-70). (AUS-140).

21-23-1  
-- Type Certification-Fixed-Wing Gliders (Sailplanes) (1-12-81). (AUS-120).

61-57A  
-- Type Rating, Airplane, Flight Test Guide (5-1-75). (AVN-132). (84.25 Supt. Docs.) SN 050-007-00299-8.

## U

20-65  
-- U.S. Airworthiness Certificates and Authorizations for Operation of Domestic and Foreign Aircraft (8-11-69). (AUS-200).

103-6  
-- Ultralight Vehicle Operations-Airports, ATC, and Weather (6-23-83). (ATO-230).

103-7  
-- Ultralight Vehicle; The (1-30-84). (AFS-820).

43-7  
-- Ultrasonic Testing for Aircraft (9-24-74). (AFS-310). (81.75 Supt. Docs.) SN 050-007-00282-3.

00-31A  
-- United States (U.S.) National Aviation Standard for the VOR/DME/TAC Systems (9-20-82). (AFS-310).

91-43  
-- Unreliable Airspeed Indications (6-26-75). (AFS-223).

23.959-1  
-- Unusable Fuel Test Procedures For Small Airplanes (1-14-85). (ACE-111).

21-21  
-- Use Of Automobile Gasoline In Agricultural Aircraft (8-24-84). (AUS-200).

20-29B  
-- Use of Aircraft Fuel Anti-icing Additives (1-18-72). (AUS-120).

91-33A  
-- Use of Alternate Grades of Aviation Gasoline for Grade 80/87 and Use of Automotive Gasoline (7-18-84). (ANE-110).

61-47A  
-- Use of Approach Slope Indicators for Pilot Training (3-26-79). (AFS-840).

150/5200-8  
-- Use of Chemical Controls to Repel Flocks of Birds at Airports (5-2-68). (AAS-300).

91-62  
-- Use of Child/Infant Seats in Aircraft (2-26-85). (AUS-120).

61-92  
-- Use of Distractions During Pilot Certification Flight Tests (1-25-80). (AFS-5).

20-77  
-- Use of Manufacturers' Maintenance Manuals (3-22-72). (AFS-310).

150/5370-11  
-- Use of Nondestructive Testing Devices in the Evaluation of Airport Pavements (6-4-76). (AAS-200).

91-88  
-- Use of Oxygen by Aviation Pilots/ Passengers (4-7-82). (AFS-5).

91-47  
-- Use of Portable Electronic Devices--Radio Receivers (3-23-77). (AFS-330).

91-58  
-- Use of Pyrotechnic Visual Distress Signaling Devices in Aviation (5-27-82). (AFS-820).

170-6C  
-- Use of Radionavigation Land Test Station and Signal Generators (2-13-81). (AES-500).

91-64  
-- Use of Remote Altimeter Settings instrument Approach Procedures (4-23-85). (AVN-220).

91-65  
-- Use of Shoulder Harness In Passenger Seats (8-4-86). (AFS-829).

150/5300-4B  
-- Utility Airports--Air Access to National Transportation (6-24-75). (AAS-100). (85.50 Supt. Docs.) SN 050-007-00630-6.

## V

91-36C  
-- VFR Flight Near Noise-Sensitive Areas (10-19-84). (ATO-238).

90-50C  
-- VHF Radiofrequency Assignment Plan for Aeronautical Operations (3-10-86). (AES-500).

90-58C  
-- VOR Course Errors Resulting from 50 kHz channel Mis-Selection (4-7-75). (AFS-310).

20-66  
-- Vibration Evaluation of Aircraft Propellers (1-29-70). (AUS-140).



W

- 101-1A  
-- Waivers of Part 101, Federal Aviation Regulations (6-3-81). (ATO-223).
- 91-5C  
-- Waivers of Subpart B, Part 91 of the Federal Aviation Regulations (FARs) (12-21-82). (ATO-220).
- 91-45B  
-- Waivers--Airshow/Contests/Races (8-5-81). (AFS-820).
- 25.1455-1  
-- Waste Water/Potable Water Drain System Certification (3-11-85). (ANM-112).
- 150/5210-13  
-- Water Rescue Plans, Facilities, and Equipment (5-4-72). (AAS-300).

- 20-125  
--Water in Aviation Fuels (12-10-85). (AFS-340).
- 20-124  
--Water Ingestion Testing for Turbine Powered Airplanes (9-30-85). (ANM-112).
- 150/5220-4A  
-- Water Supply Systems for Aircraft Fire and Rescue Protection (12-11-85). (AAS-120).
- 91-6A  
-- Water, Slush, and Snow on the Runway (5-24-78). (AFS-5).
- 141-2A  
-- Written Tests Prepared by Pilot Schools With Examining Authority Under Part 141 (Revised) of the Federal Aviation Regulations (10-3-75). (AVN-132).

## APPENDIX III

Other FAA Published Documents Of Interest To  
The General Public And The Aviation Community

## INTERNAL PUBLICATIONS

Air Traffic Control Handbook, 7110.65D  
(10-25-84).

Prescribes air traffic control procedures and phraseology for use by personnel providing air traffic control services. Controllers are required to be familiar with the provisions of this handbook which pertain to their operational responsibility and to exercise their best judgment if they encounter situations not covered by it. (Sub. \$40.00 domestic, \$50.00 foreign--Supt. Docs.) SN 950-002-00000-0. (AT0-300).

++ Chg. 6 (8-28-86).

++ Chg. 7 (12/18/86).

## ++Contractions, 7340.1J (6-1-86).

Gives approved word and phrase contractions used by personnel connected with air traffic control, communications weather, charting, and associated services. (Sub. \$28.00 domestic, \$35.00 foreign--Supt. Docs.) SN 950-003-00000-6 (AT0-300).

++Chg. 1 (10-1-86).

## ++Data Communications, 7110.80C (5-8-86).

Provides procedures for use by personnel providing communications service. It contains Services A and B teletypewriter operating procedures, and the U.S. Service A Weather Schedules. (Sub. \$34.00 domestic, \$42.50 foreign--Supt. Docs.) SN 950-004-00000-2 (AT0-210).

## ++Flight Services, 7110.10H (5-8-86).

Prescribes procedures and phraseology for use by personnel providing flight assistance services. (Sub. \$46.00 domestic, \$47.50 foreign--Supt. Docs.) SN 950-032-00000-6 (AT0-300).

++Chg. 1 (8/28/86).

## ++Location Identifiers 7350.SN (8-28-86).

Lists location identifiers authorized by the Federal Aviation Administration, Department of the Navy, and Canadian Ministry of Transport. Also lists United States airspace fixes and procedure codes and includes guidelines for requesting identifiers and procedures for making assignments. Subscription service consists of three basic manuals issued every 112 days and one change per basic (issued 56 days after

issuance basic). Effective date will coincide with aeronautical charting date. (Sub. \$31.00 domestic, \$38.75 foreign--Supt. Docs.) TD 4.310: SN 950-035-00000-5 (AT0-210).

++Chg. 1 (10-23-86).

## ++Notice to Airman (NOTAMS) 7930.2B (8-28-86).

Prescribes procedures used to obtain, format, and disseminate information on unanticipated or temporary changes to components of or hazards in the National Airspace System (NAS) until the associated aeronautical charts and related publications have been amended. The NOTAM system is not intended to be used to advertise data already published or charted. (\$5.00--Single copy--Supt. Docs.) SN 050-007-00628-4 (AT0-300).

++Chg. 7 (5-8-86).

++Oceanic Air Traffic Control, 7110.83A  
(1/16/86).

Prescribes standards and practices for providing air traffic services in international oceanic airspace delegated to the United States by the International Civil Aviation Organization. (\$ ... Supt. Docs.) SN . Not Priced.

United States Standard for Terminal Instrument  
Procedures (TERPS), 8260.3B (July 1976).

Contains criteria which shall be used to formulate, review, approve, and publish procedures for instrument approach and departure of aircraft to and from civil and military airports. These criteria are for application at any location over which an appropriate U.S. agency exercises jurisdiction. (\$7.00 single copy. Supt. Docs.) (Changes sold separately as issued.) SN 050-007-00345-5. (AF0-730)

## Chg. 1 (2-6-79).

Adds new Table 6, Effect of HAT/HAA on Visibility Minimums (Chap. 2) and adds new Chapter 12, Departure Procedures. (\$6.00 Supt. Docs.) SN 050-007-00488-5.

Chg. 2 (10-79) (\$1.75 Supt. Docs.) SN 050-007-00498-2.

Chg. 3 (6-3-80) (\$4.75 Supt. Docs.) SN 050-007-00545-8.

Chg. 4 (4-1-83) (\$4.00 Supt. Docs.) SN 050-007-00635-7.

Chg. 5 (11-15-83) (\$1.50 Supt. Docs.) SN 050-007-00671-3.

Chg. 6 (1-27-84) (\$1.00 Supt. Docs.) SN 050-007-00675-6.

Chg. 7 (12-6-84) (\$1.50 Supt. Docs.) SN 050-007-00693-4.

Chg. 8 (3-24-86) (\$1.50 Supt. Docs.) SN 050-007-00740-0.

## FLIGHT INFORMATION

### Airman's Information Manual:

#### ++Basic Flight Information and ATC Procedures (5/8/86).

This part is issued every 16 weeks and contains basic fundamentals required to fly in the U.S. National Airspace System. Among other data it also contains adverse factors affecting Safety of Flight; Health and Medical Facts of interest to pilots; ATC information affecting rules, regulations and procedures; a Pilot/Controller Glossary; Air Defense Identification Zones (ADIZ); Designated Mountainous Areas; and Emergency Procedures. (Annual Sub. \$20.00 domestic; \$25.00 foreign--Supt. Docs.) SN 750-001-00000-9. (AT0-210)

#### Notices to Airmen (Class II)

Issued every 14 days and contains current Notices to Airmen considered essential to the safety of flight as well as supplemental data to aeronautical publications. (Annual subscription \$51.00 domestic; \$63.75 foreign--Supt. Docs.) SN 750-004-00000-8.

#### Airport/Facility Directory.

Provides information on each airport's associated city and State, runway characteristics, lighting communications, and radio nav aids. Published and sold by the National Ocean Survey in seven volumes each covering a specific geographic area of the conterminous United States. For prices and subscription rates write to:

Distribution Division (C44)  
Office of Aeronautical Charting  
and Cartography  
National Ocean Survey, NOAA  
Riverdale, Maryland 20804  
(Phone 301-436-6990)

#### ++International Flight Information Manual, Vol. 34 (April 1986)

This Manual is primarily designed as a preflight and planning guide for use by U.S. nonscheduled operators, business and private aviators contemplating flights outside of the United States.

The Manual, which is complemented by the International Notices to Airmen publication, contains foreign entry requirements, a directory of aerodromes of entry including operational data, and pertinent regulations, and restrictions. It also contains passport, visa, and health requirements for each country. Published annually with quarterly amendments. (Annual Sub. \$27.00 domestic; \$33.75 foreign--Supt. Docs.) SN 950-034-00000-9 (AT0-210).

#### International Notices to Airmen

Covers foreign NOTAM data and associated navigational data generally classified as

"Special Notices." Published biweekly. (Annual Sub. \$47.50 domestic; \$38.00 foreign--Supt. Docs.) SN 750-003-00000-1. (AT0-213D).

#### ++United States Aeronautical Information Publication, Tenth Edition, (9-26-85).

This is a comprehensive aeronautical publication containing regulations and data required for safe aircraft operations in the U.S. National Airspace System (NAS). It is produced in accordance with the recommended standards of the International Civil Aviation Organization (ICAO). (Sub. \$65.00 domestic; \$81.25 foreign--Supt. Docs.) SN 950-001-00000-3. (AT0-210).

++Chg. 1 (1-1-86).

++Chg. 2 (5-6-86).

++Chg. 3 (8-28-86).

## PRODUCTION/DESIGN APPROVALS

### Parts Manufacturer Approvals, 1984

This publication is a 24x microfiche listing of parts manufacturer approvals (PMA) which have been issued under the requirements described in Part 21, Subpart K, of the Federal Aviation Regulations. These approvals are of interest to mechanics, operators of repair stations, and others engaged in altering, inspecting, or maintaining aircraft who need to determine whether certain modification or replacement parts are eligible for installation on type certificated products. Republished annually. (\$23.00 domestic; \$28.75 foreign-- Supt. Docs.) SN 050-007- 00690-0. (AVN-113).

### Summary of Supplemental Type Certificates, April 1986

Contains all supplemental type certificates issued by FAA regarding design changes in aircraft, engines, or propellers. List includes description of change, the model and type certificate number, the supplemental type certificate number, and the holder of the change. Semi-annual Supplements provided. Sub. \$58.00 domestic; \$72.50 foreign--Supt. Docs.) TD 4.36:980. (AVN-113).

### Type Certificate Data Sheets and Specifications

Type Certificate Data Sheets and Specifications (TC Data Sheets) are compiled by FAA from information supplied by the manufacturer. The TC Data Sheets describe the type design and set forth the limitations prescribed by the applicable Federal Aviation Regulations. They also include any other limitations and information found necessary for type certification of a particular product. They are also sold through Supt. Docs. on Microfiche. (Sub. \$76.00 domestic; \$95.25 foreign).

Vol. I Single Engine Airplanes (Sub. \$117.00 domestic, \$146.25 foreign--Supt. Docs.) TD 4.15/3: 979.

Vol. II Small Multiengine Airplanes (Sub. \$112.00 domestic, \$140.00 foreign--Supt. Docs.) TD 4.15/4: 979.

Vol. III Large Multiengine Airplanes (Sub. \$114.00 domestic, \$142.50 foreign--Supt. Docs.) TD 4.15/5: 979.

Vol. IV Rotorcraft, Gliders, and Balloons (Sub. \$111.00 domestic, \$138.75 foreign--Supt. Docs.) TD 4.15/6: 979.

Vol. V Aircraft Engines and Propellers (Sub. \$114.00 domestic, \$142.50 foreign--Supt. Docs.) TD 4.15/7: 979.

Vol. VI Aircraft Listing and Aircraft Engine and Propeller Listing (SN 050-007-00631-4) (Single Copy \$11.00 domestic, \$14.00 foreign--Supt. Docs.).

Volumes I, II, III, IV, and V are sold on a subscription basis and monthly supplementary service is included in the sale price.

Volume VI is sold on a single-sale basis and will be issued as a revised edition when sufficient changes warrant. (\$10.00 Supt. Docs.) SN 050-007-00360-9. (AWS-111/AVN-113).

Renewal prices for current subscribers of Vols. I and II will be \$102.00 domestic, \$127.50 foreign; Vol. III, \$114.00 domestic, \$142.50 foreign; Vol. IV, \$101.00 domestic, \$126.25 foreign; Vol. V, \$101.25 domestic, \$126.25 foreign effective with the January 1985 supplements.

**AIRWORTHINESS INFORMATION**

The Summary of Airworthiness Directives-- Volumes I and II (Containing books 1 & 2), Biweekly listing (Supplements to the AD's) and the Summary Index are sold and distributed for the Superintendent of Documents by the Federal Aviation Administration from Oklahoma City, Oklahoma. Requests for subscriptions to either of these publications should be sent to:

U.S. Department of Transportation, Federal Aviation Administration, P.O. Box 25461, Attn: AAC-23, Oklahoma City, Okla. 73125.

Subscription service consists of the summary and automatic biweekly updates to each summary for a 2-year period. Make certified checks or money orders payable to Federal Aviation Administration. AD's are also sold on microfiche. (Sub. \$70.00 domestic, \$87.50 foreign).

Summary of Airworthiness Directives for Small Aircraft Volume I (1984).

Present, in volume form, all the Airworthiness Directives for small aircraft issued after 1970. AD's for engines, propellers, and equipment are included in each volume. Each volume is arranged alphabetically by product manufacturer. (\$4.00 domestic, \$105.00 for foreign handling.) SN 050-007-81037-4.

Summary of Airworthiness Directives for Large Aircraft Volume II (1984).

Presents, in volume form, all the Airworthiness Directives for large aircraft (over 12,500 pounds maximum certificated takeoff weight) issued after 1970. AD's for engines, propellers, and equipment are included in each volume. (\$85.00 domestic, \$106.25 for foreign handling.) SN 050-007-81038-2.

**VFR/IFR Exam-0-Grams**

Brief, timely, and graphic articles developed and published on a continuing basis, Pilot Exam-0-Grams, FAA-P-8080-1, are non-directive in nature and are issued as an information service, particularly to individuals interested in FAA Airman Written Tests. They relate to concepts, practices, and procedures critical to aviation safety, common misconceptions among pilot applicants, and areas which cause difficulty in written tests. (Sub. \$20.00 domestic, \$25.00 foreign--Supt. Docs.) Renewals \$7.00 domestic; \$8.75 foreign List ID; IVPEG.

Chg. 1 (9/85).

**FAA WRITTEN TEST QUESTION BOOKS**

++FAA-T-8080-1A, Private Pilot Question Book (11-12-85). eff. March 1986. (AVN-131).

Developed by the FAA to be used by testing centers and FAA designed written test examiners when administering all categories of Private Pilot written tests. It serves as an official test book as well as test guide for applicant study. (\$5.00 Supt. Docs.) SN 050-007-00648-9.

++FAA-T-8080-2A, Commercial Pilot Question Book (12-20-85). eff. March 1986 (AVN-131).

Developed by the FAA for use by applicants who are preparing for the Commercial Pilot Rating Written Test and also for use by the FAA testing centers and FAA designated written test examiners in administering the test. It serves as an official test book as well as test guide for applicant study. (\$6.50 Supt. Docs.) SN 050-007-00731-1.

++FAA-T-8080-3A, Flight Instructor Question Book (10-24-85). eff. March 1986 (AVN-131).

Used by FAA testing centers and FAA designated written test examiners when administering all categories of Flight Instructor written tests. It serves as an official test book as well as test guide for applicant study. (\$3.25 Supt. Docs.) SN 050-007-00719-1.

++FAA-T-8080-4A, Fundamentals of Instructing and Ground Instructor Basic--Advanced Question Book (11-12-85). eff. March 1986 (AVN-131).

Developed for use by applicants who are preparing for the Fundamentals of Instructing and Basic or Advanced Ground Instructor written test and also used by FAA testing centers and FAA designated written test examiners in administering these tests. (\$4.50 Supt. Docs.) SN 050-007-07201-5.

**FAA-T-8080-SA, Airline Transport Pilot Airplane--FAR 121 Aircraft Dispatcher, Flight Navigator Question Book (9/1/85). (AVN-131).**  
Developed by the FAA for use by applicants who are preparing for the Airline Transport Pilot Airplane-FAR Part 121, Aircraft Dispatcher, and Flight Navigator written test and also for use by FAA testing centers and FAA designated written test examiners in administering those tests. It serves as an official test book as well as test guide for applicant study. (\$8.00 Supt. Docs.) SN 050-007-00652-7.

**++FAA-T-8080-6B, Airline Transport Pilot FAR 135 Question Book (10-31-85). eff. March 1986 (AVN-131).**  
Developed to be used by FAA testing centers and FAA designated written test examiners when administering the ATP--Airplane (FAR Part 135), ATP--Helicopter (VFR) and (IFR), ATP--Gyroplane (VFR) written tests. It serves as an official test book as well as test guide for applicant study (\$9.50 Supt. Docs.) SN 050-007-00721-3.

**++FAA-T-8080-7A, Instrument Rating Question Book (12-3-85). eff. March 1986 (AVN-131).**  
Developed by the FAA for use by applicants who are preparing for the Instrument Rating Written Test and for use by FAA testing centers and FAA designated written test examiners in administer the test. It serves as an official test book as well as test guide for applicant study. (\$9.00 Supt. Docs.) SN 050-007-00732-9.

**++FAA-T-8080-8A, Flight Engineer Question Book (10-31-85). eff. March 1986 (AVN-131).**  
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**++FAA-T-8080-9, Parachute Rigger Question Book (10-24-85). eff. March 1986 (AVN-133).**  
Developed by the FAA for use by applicants who are preparing for the Parachute Rigger Written Test and also for use by FAA Testing Centers and FAA Designated Written Test Examiners in administering the test. It serves as an official test book as well as a test guide for applicant study. (\$1.25 Supt. Docs.) SN 050-007-00735-3.

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**++FAA-T-8080-11A, Aviation Mechanic Powerplant Question Book (9-23-85). eff. March 1986 (AVN-133B).**  
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Contains the standards which establish the practical test requirements for private pilot certification in all aircraft categories and associated classes. To be used by FAA inspectors and designated pilot examiners when conducting airman practical tests (oral and practical). Flight instructors and applicants will find these standards helpful in practical test preparation. (\$18.00 domestic, \$22.50 foreign-- Supt. Docs.) List ID: PPTS-1A.

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**FAA-S-8081-2, Commercial Pilot Practical Test Standards, July 1985, effective 8/1/85. (AVN-131).**  
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**FAA-S-8081-3 (Not Published).**

**++FAA-S-8081-4, Instrument Rating Practical Test Standards, July 1986, effective 9/12/86. (AVN-131). Note: (Supersedes AC 61-56A & AC 61-64A on 7/31/87).**

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**++FAA Plan for Research, Engineering and Development --Volume I, Plan Overview (October 1985).**

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Description of RE&D Project Plans. Volumes I and II sold as a set. (---Supt. Docs.) SN 050-007-717-5)

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**Final Environmental Impact Statement--Comments and Responses--Metropolitan Washington Airport (1980).**

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**General Aviation Activity an Avionics Survey, CY 84.**

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**National Airport System Plan, 1980-89 (1980).**

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