

DATE 3/15/81

ADVISORY CIRCULAR



DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration
Washington, D.C.

Subject:

1. **Purpose.** This circular transmits the revised checklist of current FAA advisory circulars (AC's) as of March 15, 1981.

2. **Cancellation.** AC 00-SS, Advisory Circular Checklist, dated July 15, 1980 is canceled.

3. **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. This checklist is issued as necessary to list all current advisory circulars.

4. 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 ¹	Specific Subject Number ²	Subject
00		GENERAL
	1	Definitions and Abbreviations
10		PROCEDURAL RULES
	11	General Rule-Making Procedures
	13	Enforcement Procedures
20		AIRCRAFT
	21	Certification Procedures for Products and Parts
	23	Airworthiness Standards: Normal, Utility, and Acrobatic Category Airplanes

¹ Based on FAR Subchapter Titles.

² Based on FAR Part Titles.

General Subject Number ¹	Specific Subject Number ²	Subject
	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
	37	Technical Standard Order Authorizations
	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
	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 Air Routes and Area High Routes
	77	Objects Affecting Navigable Airspace

¹ Based on FAR Subchapter Titles

² Based on FAR Part Titles.

Initiated by:

General Subject Number ¹	Specific Subject Number ²	Subject	General Subject Number ¹	Specific Subject Number ²	Subject
90		AIR TRAFFIC AND GENERAL OPERATING RULES	180		ADMINISTRATIVE REGULATIONS
	91	General Operating and Flight Rules		183	Representatives of the Administrator
	93	Special Air Traffic Rules and Airport Traffic Patterns		185	Testimony by Employees and Production of Records in Legal Proceedings
	95	IFR Altitudes		187	Fees
	97	Standard Instrument Approach Procedures	190		WITHHOLDING SECURITY INFORMATION; WAR RISK INSURANCE; AIRCRAFT LOAN GUARANTEE PROGRAM
	99	Security Control of Air Traffic		191	Withholding Security Information from Disclosure Under the Air Transportation Security Act of 1974
	101	Moored Balloons, Kites, Unmanned Rockets and Unmanned Free Balloons			FLIGHT INFORMATION
	105	Parachute Jumping	210		FLIGHT INFORMATION
	107	Airport Security		211	Aeronautical Charts and Flight Information Publications
120		AIR CARRIERS, AIR TRAVEL CLUBS, AND OPERATORS FOR COMPENSATION OR HIRE: CERTIFICATION AND OPERATIONS		212	Publication Specifications—Charts and Publications
	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			
	127	Certification and Operations of Scheduled Air Carriers with Helicopters			
	129	Operations of Foreign Air Carriers			
	133	Rotorcraft External-Load Operations			
	136	Air Taxi Operators and Commercial Operators of Small Aircraft			
	137	Agricultural Aircraft Operations			
	139	Certification and Operations: Land Airports Serving CAB-Certificated Air Carriers			
140		SCHOOLS AND OTHER CERTIFICATED AGENCIES			
	141	Pilot Schools			
	143	Ground Instructors			
	145	Repair Stations			
	147	Aviation Maintenance Technician Schools			
	149	Parachute Lofts			
150		AIRPORTS			
	151	Federal Aid to Airports			
	152	Airport Aid Program			
	153	Acquisition of U.S. Land for Public Airports			
	154	Acquisition of U.S. Land for Public Airports Under the Airport and Airway Development Act of 1970			
	155	Release of Airport Property from Surplus Property Disposal Restrictions			
	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			
	171	Non-Federal Navigation Facilities			

¹ Based on FAR Subchapter Titles.

² Based on FAR Part Titles.

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.

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:

Number and Subject

150/1900	Defense Readiness Program.
150/4000	Resource Management.
150/6000	Airport Planning.
150/6100	Federal-aid Airport Program.
150/6150	Surplus Airport Property Conveyance Programs.
150/6190	Airport Compliance Program.
150/6200	Airport Safety—General.
150/6210	Airport Safety Operations (Recommended Training, Standards, Manning).
150/6220	Airport Safety Equipment and Facilities.
150/6230	Airport Ground Safety System.
150/6240	Civil Airports Emergency Preparedness.
150/6300	Design, Construction, and Maintenance—General.
150/6320	Airport Design.
150/6325	Influence of Aircraft Performance on Aircraft Design.
150/6335	Runway, Taxiway, and Apron Characteristics.
150/6340	Airport Visual Aids.
150/6345	Airport Lighting Equipment.
150/6360	Airport Buildings.
150/6370	Airport Construction.
150/6380	Airport Maintenance.
150/6390	Heliports.
150/6900	Planning Grants for Airports.

¹ Based on FAR Subchapter Titles.

² Based on FAR Part Titles.

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.

5. The Advisory Circular Checklist.

a. General. Each circular issued is listed numerically within its subject-number breakdown. 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 added as 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.

6. How to order advisory circulars.

a. Free AC's. If no price is listed after the AC, it is free. Send your order to:

U.S. Department of Transportation
Publications Section, M-443.1
Washington, D.C. 20590

To be put on the MAILING LIST to receive free AC's as issued, write to:

U.S. Department of Transportation
Distribution Requirements Section, M-482.2
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 Document, 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.

Make check or money order in the amount listed to Superintendent of Documents. Mail it with the exact title and stock number of the AC you are ordering to:

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

or to any of the following GPO bookstores located throughout the United States. (For convenience, both the Federal Telecommunications System (FTS) and commercial phone numbers are listed after each address.)

*Main Bookstore, 710 North Capitol St., N.W., Washington, D.C. 20402, FTS 275-2091, Commercial 202-275-2091.

*Commerce Bookstore, 14th & E Sts., N.W., Room 1604, Washington, D.C. 20230, FTS 377-3527, Commercial 202-377-3527.

*H.E.W. Bookstore, Rm. 1528, H.E.W. North Bldg., 330 Independence Ave., S.W., Washington, D.C. 20201, FTS 472-7478, Commercial 202-472-7478.

*Int'l Communication Agency, 1776 Pennsylvania Avenue, N.W., Washington, D.C. 20547, FTS 724-9928, Commercial 202-724-9928.

*Pentagon Bookstore, Main Concourse, South End, Washington, D.C. 20310, FTS 557-1821, Commercial 202-557-1821

*State Bookstore, 2317 North Lobby, 21st & C Streets, N.W., Washington, D.C. 20520, FTS 632-1437, Commercial 202-632-1437.

*Laurel Bookstore, 8660 Cherry Lane, Laurel, MD 20810, No FTS Number, Commercial 301-953-7974.

Atlanta Bookstore, Rm. 100, Federal Bldg., 275 Peachtree Street, N.E., Atlanta, GA 30303, FTS 242-6946, Commercial 404-221-6947.

Birmingham Bookstore, Roebuck Shopping City, 9220 Parkway East-B, Birmingham, AL 35206, FTS 229-1056, Commercial 205-254-1056.

Boston Bookstore, Rm. G-25, JFK Federal Bldg., Sudbury Street, Boston, MA 02203, FTS 223-6071, Commercial 617-223-6071.

Chicago Bookstore, Rm. 1463, 14th Floor, Everett M. Dirksen Bldg., 219 S. Dearborn Street, Chicago, IL 60604, FTS 363-5133, Commercial 312-353-5133.

Cleveland Bookstore, 1st Floor, Fed. Off. Bldg., 1240 E. 9th Street, Cleveland, OH 44199, FTS 293-4922, Commercial 216-522-4922.

Columbus Bookstore, Rm. 207, Federal Bldg., 200 North High Street, Columbus, OH 43215, FTS 943-6056, Commercial 614-469-6956.

Dallas Bookstore, Room 1C50, 1100 Commerce Street, Dallas, TX 75242, FTS 729-0076, Commercial 214-767-0076.

Denver Bookstore, Rm. 117, Federal Bldg., 1961 Stout Street, Denver, CO 80294, FTS 327-3964, Commercial 303-837-3964.

Detroit Bookstore, Patrick V. McNamara Fed. Bldg., Suite 160, 477 Michigan Avenue, Detroit, MI 48226, FTS 226-7816, Commercial 313-226-7816.

Houston Bookstore, 45 College Center, 9319 Gulf Freeway, Houston, TX 77017, FTS 527-5453, Commercial 713-226-5453.

Jacksonville Bookstore, 400 West Bay Street, Rm. 158, P.O. Box 35089, Jacksonville, FL 32202, FTS 946-3801, Commercial 904-791-3801.

Kansas City Bookstore, Rm. 144, Fed. Off. Bldg., 601 East 12th Street, Kansas City, MO 64106, FTS 758-2160, Commercial 816-374-2160.

Los Angeles Bookstore, Rm. 2039, Fed. Off. Bldg., 300 North Los Angeles St., Los Angeles, CA 90012, FTS 798-5841, Commercial 213-688-5841.

Milwaukee Bookstore, Rm. 190, Federal Bldg., 519 E. Wisconsin Avenue., Milwaukee, WI 53202, FTS 362-1300, Commercial 414-291-1305.

New York Bookstore, Rm. 110, 26 Federal Plaza, New York, NY 10007, FTS 264-3825, Commercial 212-264-3825.

Philadelphia Bookstore, Rm. 1214, Fed. Off. Bldg., 600 Arch Street, Philadelphia, PA 19106, FTS 597-0677, Commercial 215-597-0677.

*Washington Area Bookstores.

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Pittsburgh Bookstore, Rm. 118 Federal Bldg., 1000 Liberty Ave., Pittsburgh, PA 15222, FTS 722-2721, Commercial 412-644-2721.

Pueblo Bookstore, 720 North Main Street, Majestic Bldg., Pueblo, CO 81003, FTS 323-9371, Commercial 303-544-3142.

San Francisco Bookstore, Rm. 1023, Fed. Off. Bldg., 450 Golden Gate Avenue, San Francisco, CA 94102, FTS 556-6657, Commercial 415-556-0643.

Seattle Bookstore, Rm. 194, Fed. Off. Bldg., 915 Second Avenue, Seattle, WA 98174, FTS 399-4270, Commercial 206-442-4270.

7. Directives for Sale. A list of certain internal FAA directives is shown at the end of the checklist and are identified by their own directives numbers. They are sold by the Superintendent of Documents. Send check or money order to:

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

SERVICE INQUIRIES

Free FAA publications are distributed by the Department of Transportation; FAA sale publications are sold by the U.S. Government Printing Office. To expedite the processing of your requests, follow the exact ordering instructions given in paragraphs 6 and 7.

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.

9. Cancellations. The following advisory circulars are canceled:

AC 002-SS Advisory Circular Checklist, 7-15-80. Canceled by AC 00-2TT, same subject, 3-15-81.

AC 00-44N Status of Federal Aviation Regulations, 6-16-80. Canceled by AC 00-44P, same subject, 3/1/81.

AC 10-1 Recipient Organization Procedures for Advance Financing Using the Letter of Credit-Treasury Regional Disbursing Office (RDO) System, 11-23-79. Canceled.

AC 20-23D Interchange of Service Experience-Mechanical Difficulties, 2-12-71. Canceled.

AC 20-34C Prevention of Retractable Landing Gear Failures, 5-17-79. Canceled by AC 20-34D, same subject, 8-8-80.

AC 20-37B Aircraft Metal Propeller Blade Failure, 9-12-74. Canceled by AC 20-37C, same subject, 7-15-80.

AC 20-42 Hand Fire Extinguishers in Transport Category Airplanes and Rotorcraft, 9-1-65. Canceled by AC 20-42A, Hand Fire Extinguishers for Use in Aircraft, 7-29-80.

AC 20-68A Recommended Radiation Safety Precautions for Airborne Weather Radar, 4-11-75. Canceled by AC 20-68B, same subject, 8-8-80.

AC 20-89 Communication Interference Caused by Unintentional Radio Transmissions, 3-22-74. Canceled by AC 20-111, Communication Interference Caused by Unintentional Keyed Microphones, 10-10-80.

AC 20-101A Omega and Omega/VLF Navigation Systems Approvals for Use in the Conterminous United States and Alaska, 3-30-79. Canceled by AC 20-101B, same subject, 12-1-80.

AC 20-105 Engine Power-Loss Accident Prevention, 6-9-78. Canceled by AC 20-105A, same subject, 11-20-80.

AC 20-81 Accidental or Unauthorized Activation of Emergency Locator Transmitters (ELT), 10-10-72. Canceled by AC 91-44A, Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers, 12-12-80.

AC 20-85 Emergency Locator Transmitters and Receivers, 3-16-78. Canceled by AC 91-44A, Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers, 12-12-80.

AC 20-87 Airborne Homing and Alerting Equipment for use with Emergency Locator Transmitters, 5-7-73. Canceled by AC 91-44A, Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers, 12-12-80.

AC 20-98 Auxiliary Two Airborne Radio System Installations, 5-23-77. Canceled.

AC 21-3 Basic Glider Criteria Handbook (1962). Canceled by AC 21.23-1, Type Certification-Fixed-Wing Gliders (Sailplanes), 1-12-81.

AC 25-6 Ground Proximity Warning Systems (GPWS), 12-31-74. Canceled.

AC 43-2 Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments, 8-22-74. Canceled by AC 43-2A, same subject, 10-16-80.

AC 60-6A Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards-Airplanes, 2-9-76. Canceled by AC 60-6B, same subject, 9-25-80.

AC 61-23A Pilot's Handbook of Aeronautical Knowledge, 7-10-70. Canceled by AC 61-23B, same subject, 4-3-79.

AC 61-27B Instrument Flying Handbook, 9-22-70. Canceled by AC 61-27C, same subject, 11-5-79.

AC 61-65 Part 61 (Revised) Certification: Pilot and Flight Instructors, 9-5-73. Canceled by AC 61-65A, same subject, 8-1-80.

AC 61-68 Flight Instructor Refresher Clinics - Scheduling, Attendance Facilities and Equipment, 2-27-74. Canceled by AC 61-83A, Nationally Scheduled Federal Aviation Administration (FAA) Approved, Industry - Conducted Flight Instructor Refresher Clinics, 11-3-80.

AC 61-75 Flight Instructor-Glider-Written Test Guide, 9-18-74. Canceled by AC 61-75A, same subject, 7-23-80.

AC 61-81 Private and Commercial Pilot-Glider-Written Test Guide, 4-27-76. Canceled by AC 61-81A, same subject, 7-21-80.

AC 61-83 Nationally Scheduled Federal Aviation Administration (FAA) Approved, Industry - Conducted Flight Instructor Refresher Clinics, 9-3-76. Canceled by AC 61-83A, same subject, 11-3-80.

AC 61-84 Role of Preflight Preparation, 4-11-77. Canceled by AC 61-84A, same subject, 12-1-80.

AC 61-87 Airplane Transport Pilot-Airplane (Air Carrier)-Written Test Guide, (1979). Canceled by AC 61-87A, same subject, 5-15-80.

AC 65-13D FAA Inspection Authorization Directory, 8-12-79. Canceled by AC 65-18D, same subject, 11-1-80.

AC 90-48A Pilots' Role in Collision Avoidance, 7-24-79. Canceled by AC 90-48B, same subject, 9-5-80.

AC 90-65 Air Traffic Fuel Economy Program, 1-18-74. Canceled by AC 90-65A same subject, 9-21-80.

AC 91-17 The Use of View Limiting Devices on Aircraft, 2-20-68. Canceled by AC 61-19A, Safety Hazard Associated With Simulated Instrument Flights and the Use of View-Limiting Devices on Aircraft, 8-8-79.

AC 91-44 Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers, 2-20-76.

AC 120-16B Continuous Airworthiness Maintenance Programs, 9-14-78. Canceled by AC 120-16C, same subject, 8-8-80.

AC 121-14B Aircraft Simulator and Visual System Evaluation and Approval, 10-16-78. Canceled by AC 121-14C, same subject, 8-29-80.

AC 140-2M List of Certificated Pilot Schools, (Rev. May 1979). Canceled by AC 140-2N, same subject, 6-27-80.

AC 140-5 Radio Maintenance Technician School Curriculum, 8-11-71. Canceled.

AC 150/5100-9 Engineering Services Under the Airport Development Aid Program (ADAP), 7-1-72. Canceled by AC 150/5100-14, Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects, 1-18-81.

AC 150/5200-11 Airport Terminals and the Physically Handicapped, 11-27-68. Canceled.

AC 150/5200-17 Emergency Plan, 2-5-72. Canceled.

AC 150/5200-25 Announcing the Availability of A Handbook on Problems and Prevention of Aircraft/Bird Collisions, 2-28-78. Canceled.

AC 150/5200-26 Announcement of Availability--An Airport Firefighter Training Film, "Red Alert", 6-15-79. Canceled by AC 150/5200-26A, Announcement of Availability-- An Airport Firefighter Terminal Film, "Red Alert", 9-2-80.

AC 150/5340-1D Marking of Paved Areas on Airports, 1-19-73. Canceled by AC 150/5340-1E, same subject, 11-4-80.

AC 150/5345-39A FAA Specification L-853, Runway and Taxiway Centerline Retroreflective Markers, 9-17-71. Canceled by AC 150/5345-39B, same subject.

AC 150/5370-7 Airport Construction Controls to Prevent Air and Water Pollution, 4-26-71. Canceled by AC 150/5370-10, change 10, Standards for Specifying Construction of Airports, 11-26-80.

AC 183.29-1M Designated Engineering Representatives, 9-24-79. Canceled by AC 183.29-1N, same subject, 8-7-80.

AC 210-5 Military Flying Activities, 9-23-77. Canceled by AC 210-5A, same subject, 8-1-80.

10. Additions. The following advisory circulars are added to the list.

AC 00-2TT Advisory Circular Checklist, 3-15-81.

AC 00-44P Status of Federal Aviation Regulations, 3-1-81.

AC 20-34D Prevention of Retractable Landing Gear Failures, 8-8-80.

AC 20-37C Aircraft Metal Propeller Blade Failure, 7-15-80.

AC 20-42A Hand Fire Extinguishers for Use in Aircraft, 7-29-80.

AC 20-68B Recommended Radiation Safety Precautions for Airborne Weather Radar, 8-8-80.

AC 20-101B Omega and Omega/VLF Navigation Systems Approvals for Use in the Conterminous United States and Alaska, 12-1-80.

AC 20-105A Engine Power-Loss Accident Prevention, 11-20-80.

AC 20-111 Communication Interference Caused By Unintentional Keyed Microphones, 10-10-80.

AC 21.23-1 Type Certification-Fixed-Wing Gliders (Sailplanes), 1-12-81.

AC 43-2B Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments, 10-16-80.

AC 60-6B Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards--Airplanes, 9-25-80.

AC 60-16 Announcement of Availability: FAA-P-8080.1, IFR and VFR Pilot EXAM-O-GRAMS, 9-4-80.

AC 61-23B Pilot's Handbook of Aeronautical Knowledge, 4-3-79.

AC 61-27C Instrument Flying Handbook, 11-5-79.

AC 61-65A Certification: Pilot and Flight Instructors, 8-1-80.

AC 61-75A Flight Instructor--Glider--Written Test Guide, 7-23-80.

AC 61-81A Private and Commercial Pilot--Glider--Written Test Guide, 7-21-80.

AC 61-83A Nationally Scheduled Federal Aviation Administration (FAA) Approved, Industry - Conducted Flight Instructor Refresher Clinics, 11-3-80.

AC 61-84A Role of Preflight Preparation, 12-1-80.

AC 61-87A Airline Transport Pilot--Airplane (Air Carrier)--Written Test Guide, 5-15-80.

AC 63-4 Flight Engineer--Turboprop Reciprocation Engine Written Test Guide, 7-20-80

AC 65-13E FAA Inspection Authorization Directory, 11-1-80.

AC 90-48A Pilots' Role in Collision Avoidance, 9-5-80.

AC 90-65A Air Traffic Fuel Economy Program, 8-21-80.

AC 90-79 Recommended Practices and Procedures for the Use of Electronic Long - Range Navigation Equipment, 7-14-80.

AC 91-44A Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers, 12-12-80.

AC 91-55 Reduction of Electrical System Failures following Aircraft Engine Starting, 10-28-80.

AC 120-16C Continuous Airworthiness Maintenance Programs, 8-8-80.

AC 120-26F Chg. 1, Designators/Radio Telephony Assignments for Aircraft Operating Agencies, Aeronautical Authorities and Services, 8-12-80.

AC 120-38 Transport Category Airplanes Cabin Ozone Concentrations, 10-10-80.

AC 120-39 Hazards of Waste Water Ice Accumulation Separating from Aircraft In Flight, 10-31-80.

AC 121-14C Aircraft Simulator and Visual System Evaluation and Approval, 8-29-80.

AC 121.445-1 Pilot in Command Qualifications for Special Areas/Routes and Airports FAR 121.445, 8-15-80

AC 125-1 Operations of Large Airplanes Subject to Federal Aviation Regulations Part 125, 1-22-81.

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AC 135-3B Chg. 1 Air Taxi Operators and Commercial Operators, 12-12-80.

AC 140-2N List of Certificated Pilot Schools, 6-27-80.

AC 143-4 Advanced Ground Instructor Written Test Guide, 4-28-80.

AC 150/5100-14 Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects, 1-13-81.

AC 150/5200-26A Announcement of Availability—An Airport Firefighter Terminal Film, "Red Alert", 9-2-80.

AC 150/5300-2D Chg. 1 Change 1 to Airport Design Standards—Site Requirements for Terminal Navigational Facilities—Technical, 7-25-80

AC 150/5340-1E Marking of Paved Areas on Airports, 11-4-80.

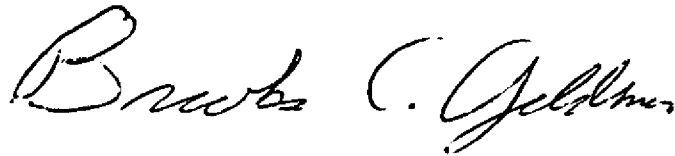
AC 150/5345-39B FAA Specification L-853, Runway and Taxiway Retroreflective Markers, 12-9-80.

AC 150/5370-10 Change 10 to Standards for Specifying Construction of Airports, 11-26-80.

AC 150/5370-11 Chg. 1, Change 1 to Use of Non-Destructive Testing Devices in the Evaluation of Airport Pavements—Revises Curve, 7-11-80.

AC 183.29-1N Designated Engineering Representatives, 8-7-80.

AC 210-5A Military Flying Activities, 8-1-80.



Brooks C. Goldman
Director, Management Systems

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) 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

● 00-2TT Advisory Circular Checklist (3-15-81).

Transmits the revised checklist of current FAA advisory circulars as of March 15, 1981.

00-6A Aviation Weather (3-3-75).

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. (\$7.00 Supt. Docs.) SN 050-007-00283-1.

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

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.

00-24A Thunderstorms (6-23-78).

Contains information concerning flights in or near thunderstorms.

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

Provides preliminary information that will assist anyone or any group of people interested in forming and operating a flying club (\$0.75 Supt. Docs.) SN 050-007-00065-1.

● Indicates new or changed material.

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

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).

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

00-31 U.S. National Aviation Standard for the VORTAC System (6-10-70).

Informs the aviation community of the establishment and content of the U.S. National Aviation Standard for the VORTAC (VOR-TACAN-DME) System.

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

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).

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

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

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

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

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

● 00-44P Status of Federal Aviation Regulations. (3-1-81).

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

00-45B Aviation Weather Services (Revised 1979).

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. Is an excellent source of study for pilot certification examinations. (\$4.50 Supt. Docs.) SN 050-007-00513-0.

00-46B Aviation Safety Reporting Program (6-15-79).

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).

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).

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).

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

Procedural

SUBJECT NO. 10

11-2 Notice of Proposed Rulemaking Distribution System (12-17-75).

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).

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

20-5D Plane Sense (2-11-76).

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

20-17B Surplus Aircraft of the Armed Forces (10-11-72).

Sets forth the method of obtaining copies of Federal Aviation Regulations which might be required for certification of surplus military aircraft.

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

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.

20-24A Qualification of Fuels, Lubricants, and Additives (4-1-67).

Establishes procedures for the approval of the use of subject materials in certificated aircraft.

20-27B Certification and Operation of Amateur-Built Aircraft (4-20-72).

Provides information and guidance concerning certification and operation of amateur-built aircraft, including gliders, free balloons, helicopters, and gyroplanes, and sets forth an acceptable means, not the sole means, of compliance with FAR Part 21 and FAR Part 91.

20-28A Nationally Advertised Construction Kits, Amateur-Built Aircraft (12-29-72).

Advises persons contemplating the use of nationally advertised kits for the construction of an aircraft, that certain kits when used could render the aircraft ineligible for the issuance of an experimental certificate as an amateur-built aircraft.

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

Provides information on the use of anti-icing additives PFA-55MB and Mil-1-27686 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.

20-30A Airplane Position Lights and Supplementary Lights (4-18-68).

Provides an acceptable means for complying with the position light requirements for airplane airworthiness and acceptable criteria for the installation of supplementary lights on airplanes.

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

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).

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.

● 20-34D Prevention of Retractable Landing Gear Failures (8-8-80).

Updates statistical information related to landing accidents involving aircraft with retractable landing gear and suggests procedures to minimize those accidents.

20-35B Tie-Down Sense (4-19-71).

Provides information of general use on aircraft tiedown techniques and procedures.

20-36J Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System—(1-15-80).

Lists the materials, parts, and appliances for which the Administrator has received statements of conformance under the Technical Standard Order system as of July 1, 1978. Such products are deemed to have met the requirements for FAA approval as provided in Part 37 of the Federal Aviation Regulations. (\$5.50 Supt. Docs.) SN 050-007-00508-8.

● 20-37C Aircraft Metal Propeller Blade Failure (7-15-80).

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).

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).

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).

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.

● 20-42A Hand Fire Extinguishers for use in Aircraft (7-29-80).

Provides methods acceptable to the Administrator for showing compliance with hand fire extinguisher requirements in FAR 25, 29, 91, 127, and 135 and provides related general information.

20-43C Aircraft Fuel Control (10-20-76).

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).

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).

Provides information on turnbuckle safelying methods that have been found acceptable by the FAA during past aircraft type certification programs.

20-46 Suggested Equipment for Gliders Operating Under IFR (9-23-65).

Provides guidance to glider operators on how to equip their gliders for operation under instrument flight rules (IFR), including flight through clouds.

20-47 Exterior Colored Band Around Exits on Transport Airplanes (2-8-66).

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).

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).

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of DC-6/7 series aircraft.

20-53 Protection of Aircraft Fuel System Against Lightning (10-6-67).

Sets forth acceptable means, not the sole means, by which compliance may be shown with fuel system lightning protection airworthiness regulations.

20-56A Marking of TSO-C72b Individual Flotation Devices (4-1-75).

Outlines acceptable methods for marking individual flotation devices which also serve as seat cushions.

20-57A Automatic Landing Systems (ALS) (1-12-71).

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).

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).

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).

Provides information relative to the determination of the eligibility of aeronautical parts and materials for installation on certificated aircraft.

20-63 Airborne Automatic Direction Finder Installations (Low and Medium Frequency) (7-7-69).

Sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne automatic direction finders. It does not pertain to installations previously approved.

20-64 Maintenance Inspection Notes for Lockheed L-188 Series Aircraft (8-1-69).

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).**

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).

Outlines acceptable means, but not the sole means, for showing compliance with the requirements of the FARs concerning propeller vibration.

20-67A Airborne VHF Communication System Installations (10-17-72).

Sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne VHF communication systems.

● 20-68B Recommended Radiation Safety Precautions for Airborne Weather Radar (8-8-80).

Sets forth recommended radiation safety precautions for ground operation of airborne weather radar.

20-69 Conspicuity of Aircraft Instrument Malfunction Indicators (5-14-70).

Provides design guidance information on methods of improving conspicuity of malfunction indication devices.

20-71 Dual Locking Devices on Fasteners (12-8-70).

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).

Provides information relating to the substantiation of ice protection systems on aircraft.

20-74 Aircraft Position and Anticollision Light Measurements (7-29-71).

Contains useful information concerning measurements for intensity, covering, and color of aircraft position and anticollision lights.

20-76 Maintenance Inspection Notes for Boeing B-707/720 Series Aircraft (10-21-71).

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).

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).

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).

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).

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).

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).

20-88 Guidelines on the Marking of Powerplant Instruments (12-11-73).

Provides guidelines on the marking of aircraft powerplant instruments.

20-90B Address List for Engineering and Manufacturing District Offices (12-3-76).

Transmits the address list for all Engineering and Manufacturing District Offices.

20-91 Lithium Batteries Used in Emergency Locator Transmitters (4-11-75).

Warns of potential hazards associated with accidental release of sulfur-dioxide gas from lithium-sulfur batteries.

20-92 Anti-Icing Additives to Reduce Icing Problems in Aviation Gasoline (1-12-76).

Title is self explanatory.

20-93 Flutter Due to Ice or Foreign Substance on or in Aircraft Control Surfaces (1-29-76).

Provides information concerning the potential hazard associated with aircraft control surface flutter caused by imbalance.

20-94 Digital Clock Installation in Aircraft (3-4-76).

Provides guidelines for operating and installing digital clocks in aircraft.

20-95 Fatigue Evaluation of Rotorcraft Structure (5-18-76).

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).

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).

Provides information on the causes of aircraft tire failures and methods of increasing tire reliability.

20-98 Auxiliary Two-Way Airborne Radio System Installations (5-23-77).

Provides guidance concerning installation and operation of two-way radio communication systems which are not used for controlling an aircraft in flight (i.e., mobile telephone, amateur radio, etc.).

20-99 Antiskid and Associated Systems (5-27-77).

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).**
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)**
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.
- 20-102 Installation and Flight Testing of Equipment Installed in Aircraft (12-7-77).**
Provides guidance information concerning installation and flight testing of equipment which, if not accomplished in accordance with applicable FAR's, could lead to serious accidents.
- 20-103 Aircraft Engine Crankshaft Failure (3-7-78).**
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).**
Announces the availability of the subject report.
- **20-105A Engine Power-Loss Accident Prevention (11-20-80).**
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).**
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. (\$3.50 Supt. Docs.) SN 050-007-00449-4.
- 20-107 Composite Aircraft Structure (7-10-78).**
Sets forth an acceptable means of compliance with the provisions of Federal Aviation Regulations, Parts 23, 25, 27, and 29 dealing with the certification requirements of composite aircraft structures, involving fiber reinforced materials, e.g., graphite, boron and glass reinforced plastics. Guidance information is also presented on associated quality control and repair aspects, as well as on a suggested continuing surveillance program to obtain long term data on the characteristics of materials.
- 20-108 Announcement of Availability—Report No. AS120-73-2, Fatigue Evaluation of Wing and Associated Structure on Small Airplanes (7-17-78).**
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).**
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.
- 20-110 Index of Aviation Technical Standard Orders (6-2-80).**
Presents the index of FAA TSO's which contain the minimum performance standards for specified materials, parts, processes, and appliances used on civil aircraft, a list of proposed TSO's which FAA anticipates will be issued within the succeeding 12 months from the date of this advisory circular, and information on how to obtain copies.
- **20-111 Communication Interference Caused By Unintentional Keyed Microphones. (10-10-80).**
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.
- 21-1B Production Certificates (5-10-76).**
Provides information concerning Subpart G of Federal Aviation Regulations (FAR) Part 21, and sets forth acceptable means of compliance with its requirements.
- 21-2D Export Airworthiness Approval Procedures (1-15-80).**
This advisory circular provides general information and guidance concerning issuance of export approvals under Federal Aviation Regulations (FAR) Part 21, Subpart L.
- 21-3 Basic Glider Criteria Handbook (1982).**
Provides individual glider designers, the glider industry, and glider operating organizations with guidance material that augments the glider airworthiness certification requirements of the Federal Aviation Regulations. (\$2.05 Supt. Docs.) SN 050-011-00004-6.
- 21-4B Special Flight Permits for Operation of Overweight Aircraft (7-30-69).**
Furnishes guidance concerning special flight permits necessary to operate an aircraft in excess of its usual maximum certificated takeoff weight.
- 21-5F Announcement of Availability—Summary of Supplemental Type Certificates 1980 Edition (6-23-80).**
Announces the availability to the public of a revised edition of the Summary of Supplemental Type Certificates dated April 1980.
- 21-6 Production Under Type Certificate Only (5-26-67).**
Provides information concerning Subpart F of FAR Part 21, and sets forth examples, when necessary, of acceptable means of compliance with its requirements.
- 21-7A Certification and Approval of Import Products (11-24-69).**
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.
- 21-8 Aircraft Airworthiness; Restricted Category; Certification of Aircraft With Uncertificated or Altered Engines or Propellers (5-21-69).**
Sets forth acceptable means of substantiating that uncertificated or altered engines and propellers have no unsafe features for type certification of aircraft in the restricted category.

21-9 Manufacturers Reporting Failures, Malfunctions, or Defects (12-30-70).

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.

21-10 Flight Recorder Underwater Locating Device (6-20-71).

Provides one acceptable means (not the only means) of showing compliance with the underwater locating device requirements of FAR 25.1459 and FAR 121.343.

21-12 Application for U.S. Airworthiness Certificate, FAA Form 8130-6 (OMB 04-R0058) (1-17-73).

Provides instructions on the preparation and submittal of subject form.

21-13 Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts (4-5-73).

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).

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.

21-15A Announcement of Availability—Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications (8-31-79).

Provides information concerning the availability of the subject publications.

● **21.23-1 Type Certification-Fixed-Wing Gliders (Sailplanes) (1-12-81).**

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).

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.

21.303-2B Availability of Listing "Parts Manufacturer Approvals"—1979 (12-14-79).

Announces the availability of the parts listing from the Superintendent of Documents at a price of \$14.00. Stock No. 050-007-00497-4.

23.629-1 Means of Compliance with FAR 23.629, "Flutter" (1-8-79).

Presents an acceptable means of compliance with the subject FAR section including information on airfoil divergence and control reversal.

25-4 Inertial Navigation Systems (INS) (2-18-66).

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).

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.

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

Sets forth an acceptable means, but not the only means, by which compliance may be shown with FAR 25.253 during certification flight tests.

25.571-1 Damage-Tolerance and Fatigue Evaluation of Structure (9-28-78).

Provides an acceptable means of compliance with FAR 25.571, dealing with damage-tolerance and fatigue evaluation certification requirements of aircraft structure.

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

Sets forth some general guidelines for substantiating compliance with fuel tank temperature airworthiness standards section 25.981.

25.1329-1A Automatic Pilot Systems Approval (7-8-68).

Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 25.1329 may be shown.

25.1457-1A Cockpit Voice Recorder Installations (11-3-69).

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.

29-1 Approval Basis for Automatic Stabilization Equipment (ASE) Installations in Rotorcraft (12-26-63).

Gives means for compliance with flight requirements in various CAR's.

29-1 Chg. 1 (3-26-64).

Transmits revised information about the time delay of automatic stabilization equipment.

29.773-1 Pilot Compartment View (1-19-66).

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).

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).

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).

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.

36-1B Certificated Airplane Noise Levels (12-5-77).

Provides noise level data for airplanes certificated under FAR Part 36 since its publication on Nov. 18, 1969.

36-2A Measured or Estimated (Uncertificated) Airplane Noise Levels (2-6-78).

Provides estimates of noise levels or measured noise levels from airplanes not certificated to FAR Part 36.

36-3A Estimated Airplane Noise Levels in A-Weighted Decibels (6-11-80).

This circular provides listings of airplane noise levels in A-Weighted decibels (dBA) ranked in descending order for the conditions and the assumptions described. This information is provided both for aircraft that have been Noise Certified and for aircraft for which no such requirement currently exists.

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

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

37-3A Radio Technical Commission for Aeronautics Document DO-160 (3-20-75).

This circular announces RTCA Document DO-160 and discusses how it may be used in connection with technical standard order authorizations.

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).

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.

39-6G Announcement of Availability—Summary of Airworthiness Directives (3-24-80).

Announces the availability of a new Summary of Airworthiness Directives dated January 1, 1980, and provides information for ordering these publications.

39-7 Airworthiness Directives for General Aviation Aircraft (7-10-79)

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.

● 43-2B Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments (10-16-80).

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).

Reviews the basic principles underlying nondestructive testing. (\$2.00 Supt. Docs.) SN 5007-00208.

43-4 Corrosion Control for Aircraft (5-15-73).

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).

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).

Describes methods used in ultrasonic nondestructive testing, discusses the many advantages, and points out the simplicity of the tests. Contains many illustrations. (\$1 Supt. Docs.) SN 050-007-00282-3.

43-9A Maintenance Records: General Aviation Aircraft (9-9-77).

Provides information to assist maintenance personnel in fulfilling their responsibility under FAR Section 43.9.

43-10 Mechanical Work Performed on U.S. and Canadian Registered Aircraft (1-26-76).

Provides 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).

Discusses engine overhaul terminology and standards that are used by the aviation industry.

43-12 Preventive Maintenance (7-16-76).

Provides information concerning preventive maintenance and who may perform it.

43-14 Maintenance of Weather Radar Radomes (2-24-77).

Provides guidance material useful to repair facilities in the maintenance of weather radomes.

43-15 Recommended Guidelines for Instrument Shops (8-15-77).

Provides guidelines concerning environmental conditions for instrument repair and overhaul shops and information on calibration of test equipment.

● 43-16 General Aviation Airworthiness Alerts

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, AFO-500, P.O. Box 25082, 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)

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).

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).

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.) (\$5.50—Supt. Docs.) SN 050-011-00461-3.

43.13-2A Acceptable Methods, Techniques, and Practices—Aircraft Alterations (6-9-77).

Contains methods, techniques, and practices acceptable to the Administrator for use in altering civil aircraft. (\$2.75 Supt. Docs.) SN 050-007-00407-9.

43.13-2A Chg. 1 (6-1-79).

Transmits revised material for Chapter 8, Glider and Banner Tow-Hitch Installations. (\$1.00 Supt. Docs.) SN 050-007-00490-7.

43-203B Altimeter and Static System Tests and Inspections (6-20-79).

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).

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.

Airmen

SUBJECT NO. 60

60-2N Annual Aviation Mechanic Safety Awards Program (3-3-78).

Provides the details of the annual Aviation Mechanic Safety Awards Program.

60-4 Pilot's Spatial Disorientation (2-9-65).

Acquaints pilots flying under visual flight rules with the hazards of disorientation caused by the loss of reference with the natural horizon.

60-6B Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards—Airplanes (9-25-80).

Calls attention to the regulatory requirements relating to the subject and provides information to aid pilots to comply with these requirements.

60-9 Induction Icing—Pilot Precautions and Procedures (2-28-73).

Provides the pilot with information on the causes and results of induction icing in reciprocating aircraft engines, and the precautions he should take to reduce the likelihood of icing, and the means available to him in controlling icing when it is encountered.

60-10 Recommended Safety Parameters for Operation of Hang Gliders (5-16-74).

Suggests safety parameters for the operation of "hang gliders" and to present the current FAA intent with respect to the regulation and operation of those vehicles.

60-11A Aids Authorized for Use by Airman Written Test Applicants (12-14-79).

Clarifies FAA policy concerning aids that applicants may use when taking airman written tests.

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

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).

Provides information to acquaint the general aviation 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).

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. (\$3.00 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).

Announces the availability of subject exam-o-grams to the public through the Superintendent of Documents.

61-8D Instrument Rating Written Test Guide (6-9-77).

Prepared by the FAA as an aid to pilots who are preparing for the Instrument Rating (Airplane, Helicopter, or Foreign Pilot) Written Tests. Its purpose is to define the scope of the written test and directs applicants to appropriate study materials. Contains representative test questions. (\$3.75 Supt. Docs.) SN 050-007-00410-9.

61-9B Pilot Transition Courses for Complex Single Engine and Light, Twin-Engine Airplanes (1-15-74).

A guide to the procedures and standards to be followed for a thorough and comprehensive checkout in modern single- and twin-engine aircraft. (\$1.25 Supt. Docs.) SN 050-007-00226-2.

61-10A Private and Commercial Pilots Refresher Courses (9-27-72).

Provides a syllabus of study requirements and describes the areas of training that should be emphasized. (\$0.55 Supt. Docs.) SN 050-011-00060-7.

61-12J Student Pilot Guide (Revised 1979).

Provides guidance for student pilots and those already in primary flight training. (\$2.25 Supt. Docs.) SN 050-007-00476-1.

61-13B Basic Helicopter Handbook (Revised 1978).

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. (\$2.75 Supt. Docs.) SN 050-011-00074-7.

61-19A Safety Hazard Associated with Simulated Instrument Flights and the Use of View Limiting Devices on Aircraft (3-8-79).

Emphasizes the need for care in the use of any device restricting visibility while conducting simulated instrument flights that may also restrict the view of the safety pilot.

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

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. (\$7.50 Supt. of Docs.) SN 050-007-00504-1.

61-23B Pilot's Handbook of Aeronautical Knowledge (4-3-79).

Contains essential, information used in training and guiding applicants for pilot certification, flight instructors, and flying school staffs. (\$11.00 Supt. Docs.) SN 050-011-00077-7.

● **61-27C Instrument Flying Handbook (11-5-79).**

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 61-28B. (In production).

61-31B Gyroplane Pilot Written Test Guide, Private and Commercial (4-14-76).

Provides guidance and assistance to applicants who are preparing for the Private or Commercial Pilot Certificate with a Rotorcraft-Gyroplane Rating under the provisions of FAR Part 61.

61-31B Chg. I (5-13-77).

61-32C Private Pilot—Airplane—Written Test Guide, (Revised 1979).

Provides information, guidelines, and sample test items to assist applicants for the Private Pilot Certificate in attaining necessary aeronautical knowledge. (\$3.00 Supt. Docs.) SN 050-011-00075-5.

61-34B Federal Aviation Regulations Written Test Guide for Private, Commercial and Military Pilots (2-10-75).

Outlines the scope of the basic knowledge required of civilian or military pilots who are studying FARs as they pertain to the Regulations terminology; to the certification of private and commercial pilots; to the operation of aircraft in the national airspace; and to the requirements of the National Transportation Safety Board. For use as a guide in preparing for the FAR Written Test. (\$1.75 Supt. Docs.) SN 050-007-00288-2.

61-42A Airline Transport Pilot (Helicopter) Written Test Guide (1-20-72).

Describes the type and scope of required aeronautical knowledge covered in the written tests, lists reference materials available from GPO bookstores, and presents sample test items with answers and explanations. (\$1.75 Supt. Docs.) SN 050-011-00057-7.

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

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.

61-52C Flight Instructor of the Year Award Program (3-3-78).

Provides the details of the Flight Instructor of the Year Award Program.

61-54A Private Pilot Airplane . . . Flight Test Guide (4-18-75).

Contains information and guidance concerning the pilot operations, procedures, and maneuvers relevant to the airplane category with a single-engine land/sea or multiengine land/sea rating. (\$1.35 Supt. Docs.) SN 050-007-00300-5.

61-55A Commercial Pilot Airplane . . . Flight Test Guide (4-25-75)

Assists the applicant and the instructor in preparing for the flight test for certification as a commercial pilot with single engine land or sea rating and for multiengine land or sea ratings. (\$1.75 Supt. Docs.) SN 050-007-00295-5.

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

Assists the applicant and the instructor in preparing for the flight test for the Instrument Pilot Airplane Rating. (\$0.55 Supt. Docs.) SN 050-007-00343-9.

61-57A Type Rating, Airplane, Flight Test Guide (5-1-75).

Contains information and guidance concerning the pilot operations, procedures, and maneuvers relevant to the flight test required for an Airplane Type Rating. (\$0.70 Supt. Docs.) SN 050-007-00299-8.

61-58A Flight Instructor Practical Test Guide (Revised 1978).

Assists instructor applicants in preparing for the Flight Instructor Practical Test. (\$1.50 Supt. Docs.) SN 050-011-00076-3.

61-59A Private and Commercial Pilot—Helicopter—Flight Test Guide (3-3-77).

Assists applicants for the Private or Commercial Pilot Rotorcraft Certificate with Helicopter Rating in preparing for their certification flight test. (\$2.25 Supt. Docs.) SN 050-007-00384-6.

61-60 Private and Commercial Pilot Gyroplane, Flight Test Guide (May 1973).

Outlines appropriate pilot operations and the minimum standards for the performance of each procedure or maneuver which will be accepted by the examiner as evidence of the pilot's competency, under Part 61. (\$0.65 Supt. Docs.) SN 050-011-00086-6.

61-61A Private and Commercial Pilot—Glider—Flight Test Guide (12-3-76).

Prepared to assist the applicant and the instructor in preparing for the flight test for the Private and the Commercial Pilot certificate with Glider Rating. Contains information concerning pilot operations, procedures and maneuvers relevant to the flight test. (\$1.50 Supt. Docs.) SN 050-011-00071-2.

61-62A Private and Commercial Pilot—Free Balloon— Flight Test Guide (12-17-76).

Prepared to assist the applicant in preparing for the flight test for the Private or Commercial Pilot Certificate with a lighter-than-air category and free balloon class. Contains information concerning the operations, procedures, and maneuvers relevant to the flight test. (\$1.20 Supt. Docs.) SN 050-007-00875-7.

61-63 Flight Test Guide, Private and Commercial Pilot—Lighter-Than Air Airship (5-23-74).

Establishes a new concept of pilot training and certification requirements. To provide a transition to these revised requirements, Part 61 (revised) permits the applicant, for a period of 1 year after the effective date, to meet either the previous requirements for the Private Pilot certificate as outlined in Part 61, prior to November 1, 1978.

61-64A Flight Test Guide—Instrument Pilot Helicopter (5-25-77).

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. (\$1.30 Supt. Docs.) SN 050-007-00404-4.

- **61-65A Certification: Pilot and Flight Instructors (8-1-80).**
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).**
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, 138, 135, and 137.
- 61-67 Hazards Associated with Spins in Airplanes Prohibited from Intentional Spinning (2-1-74).**
Informs pilots of the airworthiness standards for the type certification of small airplanes prescribed in Section 23.221 of the Federal Aviation Regulations concerning spin maneuvers.
- 61-70A Flight Instructor Instrument—Airplane—Written Test Guide (Revised 1980).**
Provides guidance for the applicant by outlining the scope of knowledge required for the Flight Instructor Certificate with an Instrument Airplane Rating. (\$3.50 Supt. Docs.) SN 050-007-00495-8.
- 61-71B Commercial Pilot—Airplane—Written Test Guide (Revised 1979).**
This guide will help applicants prepare for the Commercial Pilot—Airplane—Written Test. It outlines the aeronautical knowledge requirements for a commercial pilot, informs the applicant of source material that can be used to acquire this knowledge, and includes the test items and illustrations representative of those used in the FAA Commercial Pilot—Airplane test. (\$4.75 Supt. Docs.) SN 050-007-00482-6.
- 61-72B Flight Instructor—Airplane—Written Test Guide (Revised 1979).**
Outlines the aeronautical knowledge requirements for certification as an airplane flight instructor, outlines source material for study, and provides representative test questions for the FAA written test. (\$6.00 Supt. Docs.) SN 050-007-00501-6.
- 61-73A Private and Commercial Pilot Rotorcraft—Helicopter Written Test Guide (Revised 1979).**
Assists applicants who are preparing for the Private or Commercial Pilot Certificate with a Rotorcraft—Helicopter rating under the provisions of FAR Part 61. (\$2.25 Supt. Docs.) SN 050-007-00483-4.
- 61-74A Flight Instructor Rotorcraft—Helicopter Written Test Guide (5-27-77).**
Assists applicants who are preparing for the Flight Instructor Certificate with a Rotorcraft—Helicopter Rating. (\$3.50 Supt. Docs.) SN 050-007-00400-1.
- **61-75A Flight Instructor—Glider—Written Test Guide (7-23-80).**
Assists applicants who are preparing for the Flight Instructor—Glider Written Test. (\$1.50 Supt. Docs.) SN 050-007-00271-8.
- 61-77 Airline Transport Pilot Airplane Practical Test Guide (Part 61 Revised) (4-23-74).**
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). (\$1.25 Supt. Docs.) SN 050-007-00257-2.
- **61-81A Private and Commercial Pilot—Glider—Written Test Guide (7-21-80).**
Contains a comprehensive study outline and a list of recommended study materials. Sample study questions and illustrations pertinent to the subject of glider flying are included. (\$1.75 Supt. Docs.) SN 050-007-00562-8.
- 61-82 Airline Transport Pilot—Helicopter—Flight Test Guide (8-25-76).**
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.
- **61-83A Nationally Scheduled Federal Aviation Administration (FAA)-Approved, Industry-Conducted Flight Instructor Refresher Clinics (11-3-80).**
Provides guidance on the preparation and approval of a training course outlined for an industry-conducted Flight Instructor Refresher Clinic.
- **61-84A Role of Preflight Preparation (12-1-80).**
Modifies and updates the flight information available to pilots as a result of changes in the basic Airmen Information Manual format.
- 61-85 Flight Instructor Instrument—Rotorcraft—Helicopter—Written Test Guide (7-5-77).**
Prepared to assist applicants in preparing for the Flight Instructor-Instrument Rotorcraft/Helicopter Rating. Contains recommended study materials, certification requirements, and sample questions. (\$3.50 Supt. Docs.) SN 050-007-00403-6.
- **61-87A Airline Transport Pilot—Airplane (Air Carrier)—Written Test Guide (5-15-80)**
Assists applicants preparing for the Airline Transport Pilot—Airplane (Air Carrier) Written Test. Also explains the need for comprehensive instruction and describes the basic aeronautical knowledge and associated requirements for certification. (\$3.75 Supt. Docs.) SN 050-007-00472-9.
- 61-89 Pilot Certificates: Aircraft Type Ratings (4-9-79)**
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 December 1, 1978.
- 61-90 Fundamentals of Instructing Flight and Ground Instructors Written Test Guide (1979).**
This guide will help prospective flight and ground instructors prepare for the written tests required for the Flight Instructor Certificate and the Ground Instructor Certificate. (\$2.00 Supt. Docs.) SN 050-007-00481-8.
- 61-91 Pilot Proficiency Award Program (5-21-79).**
Describes the Pilot Proficiency Award Program, outlines the eligibility requirements, and provides an application blank for participants.
- 61-92 Use of Distractions During Pilot Certification Flight Tests (1-25-80).**
Announces the FAA's policy of incorporating into all flight tests the use of certain distractions during the performance of flight test maneuvers.
- 63-2A Flight Navigator Written Test Guide (4-4-69).**
Defines the scope and narrows the field of study to the basic knowledge required for the Flight Navigator Certificate. Published in 1969. (\$0.70 Supt. Docs.) SN 050-007-00064-2.

63-3 Flight Engineer Turbojet--Basic Written Test Guide (10-21-77).

Assists applicants who are preparing for the flight engineer turbojet basic written test and contains the scope of knowledge covered in the test, lists reference materials for study, and representative questions of those in the official test. (\$3.50 Supt. Docs.) SN 050-007-00418-4.

63-4 Flight Engineer--Turboprop Reciprocating Engine Written Test Guide (7-20-80).

Assists applicants who are preparing for the Flight Engineer--Turboprop or Reciprocating Engine Written Tests. Outlines the scope of knowledge covered in the test, lists reference materials for study, and presents questions representative of those contained in the official test. (\$5.50 Supt. Docs.) SN 050-007-00574-1.

65-2D Airframe and Powerplant Mechanics Certification Guide (1-30-76).

Provides information to prospective airframe and powerplant mechanics and other persons interested in FAA certification of aviation mechanics. (\$1.30 Supt. Docs.) SN 050-007-00331-5.

65-4C Aircraft Dispatcher Written Test Guide (7-11-77).

Describes the type and scope of aeronautical knowledge covered by the aircraft dispatcher written examination, lists reference materials, and presents sample questions. (\$4.00 Supt. Docs.) SN 050-007-00409-5.

65-5A Parachute Rigger--Senior/Master--Certification Guide (12-20-74).

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. (\$0.75 Supt. Docs.) SN 050-007-00287-4.

65-9A Airframe and Powerplant Mechanics--General Handbook (4-12-76).

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. (\$6.75 Supt. Docs.) SN 050-007-00379-0.

65-11A Airframe and Powerplant Mechanics Certification Information (4-21-71).

Provides answers to questions most frequently asked about Federal Aviation Administration certification of aviation mechanics. (\$0.40 Supt. Docs.) SN 050-007-00171-1.

65-12A Airframe and Powerplant Mechanics Powerplant Handbook (4-12-76).

Designed to familiarize student mechanics with the construction, theory of operation, and maintenance of aircraft powerplants. (\$6.50 Supt. Docs.) SN 050-007-00373-1.

65-13E FAA Inspection Authorization Directory (11-1-80).

Provides a revised directory of all FAA certificated mechanics who held an inspection authorization as of September 3, 1980.

65-15A Airframe and Powerplant Mechanics Airframe Handbook (4-12-76).

Designed to familiarize student mechanics with airframe construction, repair, and the operating theory of airframe systems. (\$6.00 Supt. Docs.) SN 050-007-00391-9.

65-19B Inspection Authorization Study Guide (Revised June 1978)

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. (\$2.00 Supt. Docs.) SN 050-007-00447-8.

65-20 Airframe & Powerplant Mechanics General Written Test Guide (1978).

Explains the requirements for the Airframe & Powerplant Mechanic Certificate and serves as a test guide to the Aviation

Mechanic General Written Test. The guide contains 636 questions that are similar, but not in all cases identical, to questions contained in the actual FAA written test. (\$3.50 Supt. Docs.) SN 050-007-00478-8.

65-21 Airframe & Powerplant Mechanics Airframe Written Test Guide (1978).

Assists applicants preparing for the aviation mechanics written tests. Outlines the knowledge requirements for the Aviation Mechanic Airframe Written Test, informs the applicant of source material that can be used to acquire this knowledge, and includes typical test questions and illustrations used in the written test. (\$3.75 Supt. Docs.) SN 050-007-00479-6.

65-22 Airframe & Powerplant Mechanics Powerplant Written Test Guide (1978).

Assists applicants in preparing for the aviation mechanics powerplant tests. Outlines the knowledge requirements, informs the applicant of source material that can be used to acquire the knowledge, and includes typical test questions and illustrations used in the written test. (\$3.75 Supt. Docs.) SN 050-007-00477-0.

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

Provides guidance to builders of amateur-built aircraft who desire to be certificated as repairmen, experimental aircraft builders (REAB) under FAR section 65.104.

67-1 Medical Information for Air Ambulance Operators (3-4-74).

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).

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. (\$1.45 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).**

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.

70/7460-1F Obstruction Marking and Lighting (9/27/78).

Describes FAA standards on obstruction marking and lighting.

70/7460-2G Proposed Construction or Alteration of Objects that may Affect the Navigable Airspace (11-30-77).

Advises those persons proposing to erect or alter an object that may affect the navigable airspace of the requirement to submit a notice to the Administrator of the Federal Aviation Administration (FAA). Contains addresses of the FAA regional offices and availability of associated publications.

70/7460-3 Petitioning the Administrator for Discretionary Review; Section 77.37, FAR (8-8-68).

Revises and updates information concerning the submission of petitions to the Administrator for review, extension, or revision of determinations issued by regional directors or their designees.

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

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

90-1A Civil Use of U.S. Government Produced Instrument Approach Charts (4-10-68).

Clarifies landing minimums requirements and revises instrument approach charts.

90-5 Coordination of Air Traffic Control Procedures and Criteria (6-13-63).

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

90-23D Wake Turbulence (12-15-72).

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 (2-27-68).

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

90-42B Traffic Advisory Practices at Nontower Airports (1-25-80).

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

90-43D Operations Reservations for High-Density Traffic Airports (7-20-77).

Advises the aviation community of the means for all aircraft operators, except helicopters, scheduled and supplemental air carriers and scheduled air taxis, to obtain a reservation to operate to and/or from designated high-density traffic airports.

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

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).

90-45A Chg. 1 (9-15-75).

90-45A Chg. 2 (7-22-76).

● **90-48B Pilots' Role in Collision Avoidance (9-5-80).**

Alerts all pilots to the midair collision and near midair collision hazard and emphasizes those basic problem areas of concern, as related to the human causal factors, where improvements in pilot education, operating practices, procedures, and techniques are needed to reduce midair conflicts.

90-50B VHF Radio Frequency Assignment Plan for Aeronautical Operations (12-12-77).

Describes the civil air traffic control assignment of frequencies in the very high frequency (118-136 MHz) band.

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

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.

90-62 Flying DME Arcs (1-23-73).

Describes the procedures and techniques for intercepting DME arcs from radials, maintaining DME arcs, and intercepting radials and localizers from DME arcs.

90-64 Automated Radar Terminal System (ARTS) III (6-22-73).

Advises the aviation community of the capabilities of the Automated Radar Terminal System and the associated services provided by Arts III equipped air traffic control facilities.

● **90-65A Air Traffic Fuel Economy Program (8-21-80).**

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).

Calls attention to regulatory requirements for the operations of airplanes at uncontrolled airports. Recommends voluntary use of standard traffic pattern flight procedures.

90-67 Light Signals from the Control Tower for Ground Vehicles, Equipment, and Personnel (8-15-75).

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.

90-70 Straight-In Nonprecision Instrument Approach Procedures Visual Descent Point (VDP) (7-7-76).

Describes the concept, purpose, and use of a designated and published VDP to be provided on some straight-in nonprecision instrument approach procedures.

90-72A Minimum Safe Altitude Warning (MSAW) (1-31-78).

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).

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.

90-76 Flight Operations in Oceanic Airspace (4-15-77).

Describes the basic requirements, limitations, and considerations applicable to flight proposed into oceanic airspace under U.S. ATC jurisdiction.

90-77 Terminal Conflict Alert (CA) (9-1-77).

Describes the capabilities and limitations of the Terminal Conflict Alert (CA) function being implemented at Automated Radar Terminal System (ARTS III) equipped terminal facilities.

90-78 En Route Conflict Alert (CA) (4-27-78).

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).**

Presents recommended operational practices and procedures for the use of electronic long-range navigation equipment in oceanic or remote land areas.

91-5B Waivers of Subpart B, Part 91 of the Federal Aviation Regulations (FARs) (1-28-72).

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).

Provides background and guidelines concerning the operation of turbojet aircraft with water, slush, and/or snow on the runway.

91-8A Use of Oxygen by General Aviation Pilots/Passengers (8-11-70).

Provides general aviation personnel with information concerning the use of oxygen.

91-9 Potential Hazards Associated With Turbojet Ground Operations (6-19-65).

Alerts turbojet operators and flight crews to potential hazards involving turbojet operations at airports.

91-11B Inspection Reminder, FAA Form 8600-1 (11-3-78).

Provides the general aviation community with a convenient visual reminder as to when annual inspection is due. (Reference section 91.169(a)(1) of the FAR's.)

91-13C Cold Weather Operation of Aircraft (7-24-79).

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).

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).

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).

Provides guidelines for designing, installing, and evaluating altitude alerting systems.

91-23A Pilot's Weight and Balance Handbook (6-9-77).

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. (§3.25 Supt. Docs.) SN 050-007-00405-2.

91-24 Aircraft Hydroplaning or Aquaplaning on Wet Runways (9-4-69).

Provides information to the problem of aircraft tires hydroplaning on wet runways.

91-25A Loss of Visual Cues During Low Visibility Landings (6-22-72).

Provides information concerning the importance of maintaining adequate visual cues during the descent below MDA or DA.

91-26 Maintenance and Handling of Air-Driven Gyroscopic Instruments (10-29-69).

Advises operators of general aviation aircraft of the need for proper maintenance of air-driven gyroscopic instruments and associated air filters.

91-28 Unexpected Opening of Cabin Doors (12-23-69).

Outlines the importance of assuring that cabin doors are properly closed prior to takeoff.

91-32A Safety In and Around Helicopters (6-21-79).

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.

91-33 Use of Alternate Grades of Aviation Gasoline for Grade 80/87 (10-6-71).

Provides information relating to the use of alternate grades of aviation gasoline when grade 80/87 is not available, and the resultant effects of the use of the alternate fuels which may have higher TEL (tetraethyl lead) content.

91-35 Noise, Hearing Damage, and Fatigue in General Aviation Pilots (3-28-72).

Acquaints pilots with the hazards of regular exposure to cockpit noise. Especially pertinent are piston-engine, fixed-wing, and rotary-wing aircraft.

91-36A VFR Flight Near Noise-Sensitive Areas (7-9-74).

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).

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).

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).

Recommends ground operational procedures that will minimize air pollution from aircraft ground operations and conserve fuel.

91-42B Hazards of Rotating Propellers and Helicopter Rotor Blades (4-25-79).

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).

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).

Combines and updates material in several Advisory Circulars on the subject of emergency locator transmitters (ELT) and receivers for airborne service.

91-45A Airshow Waivers (5-16-77).

The purpose of this advisory circular is to provide 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).

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).

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).

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).

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).

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).

Provides information to pilots regarding ice protection system approval and the results of in-flight icing.

91-52 VHF Radio Communications Coverage in International Airspace Under U.S. Jurisdiction (Except Pacific Islands) (6-21-78).

Transmits a chart depicting VHF radio coverage available in oceanic airspace off the coasts of the conterminous U.S., Bermuda, and San Juan.

91-53 Noise Abatement Departure Profile (10-17-78).

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).

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).

Warns general aviation aircraft owner/pilots and maintenance personnel of possible total electrical system failure following aircraft engine starting.

91.11-1 Guide to Drug Hazards in Aviation Medicine (7-19-63).

Lists all commonly used drugs by pharmacological effect on airmen with side effects and recommendations. (\$2.75 Supt. Docs.) SN 050-009-00001-7.

91.29-1 Special Structural Inspections (1-8-68).

Discusses occurrences which may cause structural damage affecting the airworthiness of aircraft.

91.79-1 Waivers of Section 91.79 of the Federal Aviation Regulations (4-21-76).

Announces the availability of waivers relating to FAR 91.79 and requests that interested persons contact any General Aviation District Office or Flight Standards District Office for specific information.

91.83-1A Canceling or Closing Flight Plans (3-25-75).

Outlines the need for canceling or closing flight plans promptly to avoid costly search and rescue operations.

95-1 Airway and Route Obstruction Clearance (6-17-65).

Advises all interested persons of the airspace areas within which obstruction clearance is considered in the establishment of Minimum En Route Instrument Altitudes (MEA's) for publication in FAR Part 95.

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

Describes RVR measuring equipment and its operating use.

99-1A Security Control of Air Traffic (2-27-78).

Advises all interested persons of the airspace areas within which obstruction clearance is considered in the establishment of Minimum En Route Instrument Altitudes (MEA's) for publication in FAR Part 95.

101-1 Waivers of Part 101, Federal Aviation Regulations (1-13-64).

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).

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.

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

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).

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.

Air Carrier and Commercial Operators and Helicopters

SUBJECT NO. 120

120-2A Precautionary Propeller Feathering to Prevent Runaway Propellers (8-20-63).

Emphasizes the need for prompt feathering when there is an indication of internal engine failure.

120-5 High Altitude Operations in Areas of Turbulence (8-26-63).

Recommends procedures for use by jet pilots when penetrating areas of severe turbulence.

120-12 Private Carriage Versus Common Carriage by Commercial Operators Using Large Aircraft (6-24-64).

Provides 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).**

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).

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 and Services (4-1-80).

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. (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 (6-14-80).

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

120-28B Criteria for Approval of Category IIIa Landing Weather Minima (12-1-77).

States an acceptable means, not the only means, for obtaining approval of Category IIIa 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).

Sets forth criteria used by FAA in approving turbojet landing minima of less than 300- $\frac{3}{4}$ 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 Taxi Operators of Large and Small Aircraft (9-8-76).

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).

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).

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

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

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).

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

120-35 Line-Oriented Flight Training Programs (5-24-78).

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).

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).

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).**

Provides guidance concerning acceptable means, but not the only means, for an air carrier to demonstrate compliance with the maximum permissible cabin ozone (O_3) 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).**

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.

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

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).

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.

121-12 Wet or Slippery Runways (8-17-67).

Provides uniform guidelines in the application of the "wet runway" rule by certificate holders operating under FAR 121.

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

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.

● **121-14C Aircraft Simulator and Visual System Evaluation and Approval (8-29-80).**

Sets forth one means that would be acceptable to the Administrator for approval of aircraft simulators or other training devices requiring approval under FAR 121.407 and Appendix H to FAR Part 121.

121-16 Maintenance Certification Procedures (11-9-70).

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.

121-17 Aviation Security--Certain Air Carriers and Commercial Operators--Security Programs and Other Requirements (3-14-72).

Provides general information regarding the requirements of FAR Amdt. 121-85.

121-18A Aviation Security--Carriage of Weapons and Escorted Persons (10-10-79).

Provides information and guidance for the implementation of amendments to FAR Part 121 regarding the carriage of weapons on aircraft and for the carriage of persons in the custody of law enforcement officers.

121-19 Aviation Security--Property Acceptance and Handling Procedures--Indirect Air Carriers (3-17-76).

Provides information and guidance which may be used by "indirect air carriers" when providing property to be carried by "direct air carriers" or by the operator of any civil aircraft for transportation in air commerce.

121-21A Information Guide for Training Programs and Manual Requirements in the Air Transportation of Hazardous Materials (1-18-79).

Provides certificate holders under Code of Federal Regulations (CFR) Title 14, Parts 121 and 135, Federal Aviation Regulations, with information relevant to CFR Title 49, Part 175, Carriage by Aircraft. Personnel having duties and responsibilities in the acceptance, handling, and carriage of hazardous materials are the cargo receiving clerk/cargo dock supervisor, the cargo load planner/weight and balance clerk, the aircraft loader/forklift operator, the counter agent (if swift small package service is offered), the pilot in command, other crewmembers and other personnel assigned specific duties and responsibilities in the shipment, storage, loading, and unloading of such materials.

121-22 Maintenance Review Board (MRB) (1-12-77).

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).

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).

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).

Provides guidance and standards to domestic and flag air carriers for approval of a system for obtaining forecasts and reports of adverse weather phenomena.

121.195(d)-1 Alternate Operational Landing Distances for Wet Runways; Turbojet Powered Transport Category Airplanes (11-19-65).

Sets forth an acceptable means, but not the only means, by which the alternate provision of section 121.195(d) may be met.

● **121.445-1 Pilot In Command Qualifications For Special Areas/Routes And Airports. FAR 121.445 (8-15-80).**

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.

123-1 Air Travel Clubs (10-17-68).

Sets forth guidelines and procedures to assist air travel clubs using large aircraft in meeting safety requirements of FAR Part 123.

● **125-1 Operations of Large Airplanes Subject to Federal Aviation Regulations Part 125 (1-22-81).**

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.

129-2 Aviation Security—Certain Foreign Air Carrier Operators (4-30-79).

Provides information and guidance for foreign air carriers concerning the requirements of Federal Aviation Regulation Part 129, sections 129.25 through 129.27.

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

Provides information for persons interested in applying for a Rotorcraft External-Load Operator Certificate.

135.155-1 Alternate Static Source for Altimeters and Airspeed and Vertical Speed Indicators (2-16-65).

Sets forth an acceptable means of compliance with provision in FAR Part 135 and Part 23 dealing with alternate static sources.

135.169-1 Small Propeller-Driven Air Taxi Airplanes That Meet Sections 135.169 (formerly 135.144) (9-24-79).

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.

135-2A Air Taxi Operators of Large Aircraft (11-16-73).

Provides guidelines for use by air taxi operators or applicants who desire to obtain authorization to operate large aircraft (more than 12,500 pounds maximum certificated takeoff weight) in air taxi operations.

135-3B Air Taxi Operators and Commercial Operators (12-1-78).

Sets forth guidelines and procedures to assist persons in complying with the requirements of Federal Aviation Regulations, Part 135, Revised December 1, 1978.

135-3B Chg. 1 (12-12-80).**135-4A Aviation Security: Air Taxi Commercial Operators (ATCO) (4-15-76).**

Provides recommended security measures applicable to ATCO operations that should minimize the effects of crimes directed against air transportation.

135-5A Maintenance Program Approval for Carry-On Oxygen Equipment for Medical Purposes (11-23-76).

Provides a means whereby air taxi operators may submit a maintenance program to comply with FAR Part 135, Section 135.114.

135-7 FAR 135: Additional Maintenance Requirements for Aircraft Type Certificated for Nine or Less Passenger Seats (10-24-78).

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).

137-1 Agricultural Aircraft Operations (11-29-65).

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).

Presents guidelines to assist airport operators in developing airport operations specifications in compliance with the requirements of amended FAR Part 139.

139.49-1 Programs for Training of Fire Fighting and Rescue Personnel (11-12-74).

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****140-2N List of Certificated Pilot Schools (6-27-80).**

Provides an up-to-date listing of all FAA certificated pilot schools as of May 1980.

140-6A The Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation No. 36 (3-13-80).

Advises that SFAR 36 has been extended for an additional 2 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 36.

140-7A Federal Aviation Administration Certificated Maintenance Agencies Directory (4-18-80).

Provides a revised directory of all FAA certificated repair stations and parachute lofts as of March 1, 1980.

141-1 Pilot School Certification (8-29-74).

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).

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.

143-2C Ground Instructor—Instrument—Written Test Guide (1-30-76).

Provides information to applicants for the instrument ground instructor rating about the subject areas covered in the examination and illustrated by a study outline, a list of study materials, and a sample examination with answers. (\$2.50 Supt. Docs.) SN 050-007-00376-5.

143-3 Basic Ground Instructor Written Test Guide, 1980 (12-12-79).

This guide helps applicants prepare for the Basic Ground Instructor Written Test by outlining the aeronautical knowledge requirements for a Basic Ground Instructor and informing the applicant of source material that can be used to acquire this knowledge. It also includes test items and illustrations representative of those used in the FAA Basic Ground Instructor Written Test. (\$4.25 Supt. Docs.) SN 050-007-00519-9.

● 143-4 Advanced Ground Instructor Written Test Guide, 1980 (4-28-80).

Outlines the aeronautical knowledge requirements for an Advanced Ground Instructor, informs the applicant of source material that can be used to acquire this knowledge, and includes test items and illustrations representative of those used in the FAA Advanced Ground Instructor Written Test. (\$ 4.00 Supt. Docs.) SN 050-007-00555-7.

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

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.

145.101-1A Application for Air Agency Certificate—Manufacturer's Maintenance Facility (3-10-69).

Explains how to obtain a repair station certificate.

147-2U Directory of FAA Certificated Aviation Maintenance Technician Schools (4-18-80).

Provides a revised directory of all FAA certificated aviation maintenance technician schools as of March 1, 1980.

147-3 Phase III, A National Study of the Aviation Mechanics Occupation (3-22-71).

Announces the availability for purchase by the public of a reprint of a report of Phase III, A National Study of the Aviation Mechanics Occupation.

147-4 Reports Availability of a Survey of Text Materials Used in Aviation Maintenance Technician Schools (9-3-74).

Announces the public availability of the 1974 report on a Survey of Test Materials Used in Aviation Maintenance Technician Schools.

Airports

**SUBJECT NO. 150
AIRPORT PLANNING**

150/5000-3E Address List for Regional Airports Divisions and Airports District/Field Offices (4-30-79).

Transmits to the public, sponsors, contractors, etc., a revised address and telephone list to use in contacting regional Airports Divisions and Airports District/Field Offices.

150/5000-3E Chg. 1 (2-1-80).

150/5000-4 Announcement of Availability—Airport Research and Technical Reports (10-12-79).

Provides information on the availability of published reports sponsored by the Federal Aviation Administration on a variety of subjects involving airport research.

150/5050-3A Planning the State Airport System (June 1972).

Provides general guidance in preparing a State airport system plan. (\$2.50 Supt. Docs.) SN 050-007-00184-3.

150/5050-4 Citizen Participation in Airport Planning (9-26-75).

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).

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).

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. (\$2.50 Supt. Docs.) SN 050-007-00417-6.

150/5060-1A Airport Capacity Criteria Used in Preparing the National Airport Plan (7-8-68).

Presents the method used by the Federal Aviation Administration for determining when additional runways, taxiways, and aprons should be recommended in the National Airport Plan. The material is also useful to sponsors and engineers in developing

Airport Layout Plans and for determining when additional airport pavement facilities should be provided to increase aircraft accommodation capacity at airports.

150/5060-3A Airport Capacity Criteria Used in Long-Range Planning (12-24-69).

Describes the method used by the Federal Aviation Administration for determining the approximate practical hourly and practical annual capacities of various airport runway configurations and is used in long-range (10 years or more) planning for expansion of existing airports and construction of new airports to accommodate forecast demand.

150/5070-3 Planning the Airport Industrial Park (9-30-65).

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).

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. (\$1.65 Supt. Docs.) SN 050-008-00003-7.

150/5070-6 Airport Master Plans (2-5-71).

Provides guidance for the preparation of individual airport master plans as provided for under the Airport Airway Development Act of 1970. (\$3.75 Supt. Docs.) SN 050-008-00004-5.

150/5090-2 National Airport Classification System (Airport System Planning) (6-25-71).

Sets forth the new national airport classification system. The system is designed for use in the identification and classification of airports within the National System of Airports and for use as a planning tool in long-range airport system planning.

FEDERAL-AID AIRPORT PROGRAMS

150/5100-3A Federal-aid Airport Program-Procedures Guide for Sponsors (9-20-68).

Provides guidance to public agencies that sponsor or propose to sponsor projects under the Federal-aid Airport Program (FAAP) authorized by the Federal Airport Act.

150/5100-3A Chg. 1 (11-28-69).

Transmits revised pages to subject advisory circular.

150/5100-6B Labor Requirements for Airport Development Aid Program (ADAP) (9-10-79).

Encompasses the basic labor and associated requirements for the Airport Development Aid Program (ADAP). This AC is intended for public agencies sponsoring projects with program assistance and for contractors and subcontractors working on projects under the program.

150/5100-7A Requirement for Public Hearing in the Airport Development Aid Program (2-25-72).

Provides guidance to sponsors of airport development projects under the Airport Development Aid Program (ADAP) on the necessity for and conduct of public hearings.

150/5100-8 Request for Aid; Displaced Persons; Public Hearings; Environmental Considerations; Opposition to the Project (1-19-71).

Provides general guidance on the information and coordination required in support of a request for aid for an airport development project under the Airport and Airway Development Act of 1970.

150/5100-9 Engineering Services Under the Airport Development Aid Program (ADAP) (7-1-72). (Consolidated reprint includes Change 1.)

Provides guidance for airport sponsors and Federal Aviation Administration Offices in the definition, selection, review, and approval of engineering services used under subject program.

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

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 (2-10-76).

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 91-646).

150/5100-12 Electronic Navigational Aids Approved for Funding Under the Airport Development Aid Program (9-20-76).

Provides a list of the electronic navigational aids equipment which are approved for funding under the ADAP.

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

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.

● **150/5100-14 Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects (1-13-81).**

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

SURPLUS AIRPORT PROPERTY CONVEYANCE PROGRAMS

150/5150-2A Federal Surplus Personal Property for Public Airport Purposes (8-3-73).

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.

150/5150-2A Chg. 1 (1-21-74).

Adds material to paragraph 24, Chapter 6, which was inadvertently omitted in the Advisory Circular during preparation.

150/5150-2A Chg. 2 (3-16-78).

Incorporates new FPMR provisions.

AIRPORT COMPLIANCE PROGRAM

150/5190-1 Minimum Standards for Commercial Aeronautical Activities on Public Airports (8-18-66).

Gives to owners of public airports information helpful in the development and application of minimum standards for commercial aeronautical activities.

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

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).

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

AIRPORT SAFETY—GENERAL

150/5200-3A Bird Hazards to Aircraft (3-2-72).

Transmits to the aviation public the latest published information concerning the reduction of bird strike hazards to aircraft in flight and in the vicinity of airports.

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

Discusses runway foaming and suggests procedures for providing this service.

150-5200-5 Consideration for the Improvement of Airport Safety (2-2-67).

Emphasizes that, in the interest of accident/incident prevention, airport management should conduct self-evaluations and operational safety inspections. An exchange of information and suggestions for the improvement of airport safety is also suggested.

150/5200-6A Security of Aircraft at Airports (6-28-68).

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).

Acquaints airport operators with new recommendations on the use of chemical methods for dispersing flocks of birds.

150/5200-9 Bird Reactions and Scaring Devices (6-26-68).

Transmits a report on bird species and their responses and reactions to scaring devices.

150/5200-12 Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident (8-7-69).

Furnishes general guidance for employees of 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).

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.

150/5200-14 Results of 90-Day Trial Exercise on Fire Department Activity (9-8-70).

Transmits statistical data collected during a 90-day trial exercise conducted to determine the relationship between aircraft fire and rescue service activities and airport aeronautical operations.

150/5200-16B Announcement of Availability—International Fire Service Training Association's Manual 206, Aircraft Fire Protection and Rescue Procedures (Second Edition, 1978) (8-27-79).

Explains the nature of the manual and tells how it can be obtained.

150/5200-18 Airport Safety Self-Inspection (2-5-72).

Suggests functional responsibility, procedures, a checklist, and schedule for an airport safety self-inspection.

150/5200-21 Announcing the Availability of U.S. Air Force Technical Order (T.O. 00-105-9) Aircraft Emergency Rescue Information (5-23-73).

Explains the nature of the Technical Order and tells how it can be obtained by airport fire departments which are under the Airport Certification Program.

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).

Announces the availability of the manual, explains its purpose, and tells how to obtain copies.

150/5200-23 Airport Snow and Ice Control (11-1-76).

Provides guidance to assist airport owners/operators to establish or improve airport snow and ice control programs.

150/5200-23 Chg. 1 Airport Snow and Ice Control (2-6-78).

Transmits a revision to the sand gradation table used on airport operational surfaces.

150/5200-23 Chg. 2 (7-11-78).

Revises the method of timing and application of anti-icing chemicals.

150/5200-24 Address List of State Offices of Emergency Medical Services (10-11-77).

Transmits the address list of all State offices of emergency medical services including those of the District of Columbia, Virgin Islands, Puerto Rico, and Guam.

● **150/5200-26A Announcement of Availability—An Airport Firefighter Terminal Film, "Red Alert" (9-2-80).**

Explains the nature of the training film and tells how it can be obtained on loan for use as a training aid.

150/5200-27 Announcement of Availability—The National Fire Protection Association's Standard for Airport Fire Fighter Professional Qualifications (NFPA 1003-1978) (8-27-79).

Explains the nature of the standard and tells how it can be obtained for use as an airport fire fighter program guide.

150/5210-2 Airport Emergency Medical Facilities and Services (9-3-64).

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.

150/5210-5 Painting, Marking, and Lighting of Vehicles Used on an Airport (8-31-66).

Makes recommendations concerning safety, efficiency, and uniformity in the interest of vehicles used on the aircraft operational area of an airport.

150/5210-6B Aircraft Fire and Rescue Facilities and Extinguishing Agents (1-26-73). (Consolidated reprint incorporates changes 1 and 2.)

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.

150/5210-7A Aircraft Fire and Rescue Communications (3-16-72).

Provides guidance information for use by airport management in establishing communication and alarm facilities by which personnel required to respond to and function at aircraft ground emergencies may be alerted and supplied with necessary information.

150/5210-9 Airport Fire Department Operating Procedures During Periods of Low Visibility (10-27-67).

Suggests training criteria which airport management may use in developing minimum response times for aircraft fire and rescue trucks during periods of low visibility.

150/5210-10 Airport Fire and Rescue Equipment Building Guide (12-7-67).

This title is self-explanatory.

150/5210-12 Fire and Rescue Service for Certificated Airports (3-2-72).

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).

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.

150/5220-4 Water Supply Systems for Aircraft Fire and Rescue Protection (12-7-67).

The title is self-explanatory.

150/5220-6 Guide Specification for 1,000-Gallon Tank Truck (4-10-68).

Assists airport management in the development of local procurement specifications.

150/5220-9 Aircraft Arresting System for Joint Civil/Military Airports (4-6-70).

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.)

Assists airport management in the development of local procurement specifications.

150/5220-11 Airport Snowblower Specification Guide (4-10-78).

Provides information covering a variety of multiple capacity rotary snowblowers.

150/5220-12 Airport Snowsweeper Specification Guide (6-12-78).

Provides information covering multiple capability airport snowsweepers. The information is for the use of all airport operators.

150/5220-13 Runway Surface Condition Sensor—Interim Specification Guide (11-6-78).

Provides interim guidance in selection of runway surface condition monitoring devices.

150/5220-14 Airport Fire and Rescue Vehicle Specification Guide (3-15-79).

Assists airport management in the development of local procurement specifications.

150/5230-3 Fire Prevention During Aircraft Fueling Operations (4-8-69).

This advisory circular provides information on fire preventive measures which aircraft servicing personnel should observe during fueling operations.

150/5240-7 A Fuel/Energy Conservation Guide for Airport Operators (2-19-74).

Identifies potential areas where fuel and energy usage can be conserved to assist airport operators in their voluntary actions in reducing fuel and energy consumption.

150/5280-1 Airport Operations Manual (6-16-72).

Sets forth guidelines to assist airport operators in developing an Airport Operations Manual in compliance with the requirements of FAR Part 139.

150/5280-3 Fire Fighting Exemptions Under the 1976 Amendment to the Federal Aviation Act (2-4-77).

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).**

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 Change 1.)

Establishes design standards for utility airports which are constructed for aircraft of 12,500 pounds (5670 kg) maximum gross weight or less.

150/5300-4B Chg. 2 (4-11-78).

Provides updated information for the basic publication.

150/5300-4B Chg. 3 (12-5-78).

Expands the design standards to accommodate utility airports served by an electronic glide slope.

150/5300-4B Chg. 4 (5-25-79).

Provides for consideration of 75-foot (23 m) wide precision instrument runways.

150/5300-6 Airport Design Standards, General Aviation Airports, Basic and General Transport (7-14-69). (Consolidated Reprint Incorporates Changes 1 and 2.)

Provides recommended design criteria for the development of larger than general utility airports.

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

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.

150/5300-8 Planning and Design Criteria for Metropolitan STOL Ports (11-5-70).

Provides the criteria recommended for the planning and design of STOL ports in metropolitan areas.

150/5300-8 Chg. 1 (4-3-75).

Transmits revised requirements for color coding of threshold and runway end lights on STOL runways.

150/5300-9 Predesign and Preconstruction Conferences (ADAP) Projects (9-10-73).

Emphasizes the need for, and encourages the use of, predesign and preconstruction conferences as valuable tools in the administration of construction contracts funded under the ADAP.

150/5300-9 Chg. 1 (11-11-77).

Transmits revisions to paragraph 5 of the advisory circular.

150/5300-10 Federal Aviation Administration Funded Study—Analysis of General Aviation Airports Developed With and Without Federal Financial Assistance (7-21-75).

Transmits the recommendations and conclusions of a study conducted for the FAA. Advises the public as to how they may obtain the report.

150/5320-5 Airport Drainage (7-1-70).

Provides guidance for engineers, airport managers, and the public in the design and maintenance of airport drainage systems. (\$3.75 Supt. Docs.) SN 050-007-00149-5.

150/5320-6C Airport Pavement Design and Evaluation (12-7-78).

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).

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).**

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.

150/5320-12 Methods for the Design, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces (6-30-75).

Provides guidance on methods that can be used to provide and maintain airport pavement surface friction characteristics.

150/5320-13 Locating Runway Approach Thresholds (3-1-78).

Provides guidance for locating runway approach thresholds.

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

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

150/5325-2C Airport Design Standards—Airports Served by Air Carriers—Surface Gradient and Line-of-Sight (2-6-75). (Consolidated reprint includes Change 1.)

Establishes design standards for airports served by certificated air carriers to assist engineers in (1) designing the gradients of airports surface areas used to accommodate the landing, takeoff, and other ground movement requirement of airplanes while (2) providing adequate line of sight between airplanes operating on airports.

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

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.)

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.)

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

150/5325-6A Airport Design Standards—Effects and Treatment of Jet Blast (7-13-72).

Presents criteria on the jet engine blast velocities associated with aircraft in common use in air carrier service, the effects of these blast velocities during ground operations, and suggested means to counteract or minimize these effects.

150/5335-1A Airport Design Standards—Airports Served by Air Carriers—Taxiways (6-15-70). (Consolidated reprint incorporates Changes 1 and 2.)

Provides criteria on taxiway design for airports served by certificated route air carriers with present airplanes and those anticipated in the near future.

150/5335-1A Chg. 3 (5-9-80).

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

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

150/5335-3 Airport Design Standards—Airports Served by Air Carrier—Bridges and Tunnels on Airports (4-19-71). (Consolidated reprint includes Change 1.)

Provides general guidance to those contemplating the construction of a bridge-type structure to allow aircraft to cross over an essential surface transportation mode.

150/5335-4 Airport Design Standards—Airports Served by Air Carriers—Runway Geometrics (7-21-75).

Provides criteria on runway geometric design for airports served by certificated route air carriers.

150/5335-4 Chg. 1 (6-14-76).

150/5335-4 Chg. 2 (1-5-79).

150/5335-4 Chg. 3 (6-11-80).

Emphasizes the need for establishment of extended runway safety areas.

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

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

150/5340-4C Installation Details for Runway Centerline and Touchdown Zone Lighting Systems (5-6-75). (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).

150/5340-5A Segmented Circle Airport Marker System (9-10-71).

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

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

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

150/5340-17A Standby Power for Non-FAA Airport Lighting Systems (3-19-71).

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

150/5340-18A Taxiway Guidance Sign System (6-2-80).

This advisory circular describes the recommended standards for design and installation of a taxiway guidance sign system.

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

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

150/5340-20 Installation Details and Maintenance Standards for Reflective Markers for Airport Runway and Taxiway Centerlines (2-17-69).

Describes standards for the installation and maintenance of reflective markers for airport runway and taxiway centerlines.

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

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.

150/5340-22 Maintenance Guide for Determining Degradation and Cleaning of Centerline and Touchdown Zone Lights (4-20-71). (Consolidated reprint includes Change 1.)

Contains maintenance recommendations for determining degradation and cleaning of centerline and touchdown zone lights installed in airport pavement.

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

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

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

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.

150/5340-25 Visual Approach Slope Indicator (VASI) Systems (9-24-76).

Describes standards for the design, installation, and maintenance of visual approach slope indicator systems.

150/5340-25 Chg. 1 (5-3-77).

Transmits page changes to subject advisory circular.

150/5340-27 Air-to-Ground Radio Control of Airport Lighting Systems (8-10-77).

Describes operating criteria for air-to-ground radio control of airport lighting systems.

150/5345-1E Approved Airport Lighting Equipment (9-9-76). (Consolidated reprint incorporates Changes 1 and 2.)

Contains lists of approved airport lighting equipment and manufacturers qualified to supply their product in accordance with the indicated specification requirements.

150/5345-1E Chg. 3 (2-24-78).**150/5345-3C Specification for L-821 Panels for Remote Control of Airport Lighting (3-30-77).**

Describes the specification requirements for an airport lighting control panel for the remote control of airport lighting circuits and is published by the Federal Aviation Administration for the guidance of the public.

150/5345-5 Specification for L-847 Circuit Selector Switch, 5,000 Volt 20 Ampere (9-3-63).

Required for FAAP project activity.

150/5345-7C Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits (2-4-76).

Describes the specification requirements for underground electrical cables for airport lighting circuits. Published by the FAA for the guidance of the public.

150/5345-10D Specification for L-828 Constant Current Regulators (3-10-80).

This advisory circular contains a specification for constant current regulators to be used in airport lighting circuits.

150/5345-12B Specification for L-801 Beacon (9-8-77).

Describes the subject specification requirements.

150/5345-13 Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (1-6-64).

Required for FAAP project activity.

150/5345-26A Specification for L-823 Plug and Receptacle, Cable Connectors (5-4-71). (Consolidated reprint includes Change 1.)

Describes the subject specification requirements.

150/5345-27A Specification for L-807 Eight-foot and Twelve-foot Unlighted or Externally Lighted Wind Cone Assemblies (6-16-69).

Describes the subject specification requirement for a hinged steel pole support, an anodized tapered aluminum hinged base pole support, and an "A" frame fixed support with a pivoted center pipe support.

150/5345-28C Specification for L-851 Visual Approach Slope Indicators and Accessories (3-23-77).

Describes the specification requirements for visual approach slope indicator (VASI) and simple abbreviated visual approach slope indicator (SAVASI) equipment and accessories.

150/5345-36 Specification for L-808 Lighted Wind Tee (2-3-65).

Describes the subject specification requirements.

150/5345-39A FAA Specification L-853, Runway and Taxiway Centerline Retroreflective Markers (9-17-71).

Describes specification requirements for L-853 Runway and Taxiway Retroreflective markers, for the guidance of the public.

150/5345-42A FAA Specification L-857, Airport Light Bases, Transformer Housings, and Junction Boxes (10-4-73).

Describes specification requirements for airport light bases, transformer housings, and junction boxes for the guidance of the public.

150/5345-42A Chg. 1 (11-14-75).**150/5345-43C Specification for Obstruction Lighting Equipment (6-10-80).**

This advisory circular contains the specification for equipment used in obstruction lighting systems.

150/5345-44B Specification for L-858 Taxiway Guidance Signs (5-9-79).

Contains a specification for guidance signs for use on airports.

150/5345-45 Lightweight Approach Light Structure (5-10-73).

Presents the specifications for lightweight structures for supporting lights as used in visual navigational aid systems.

150/5345-46 Specification for Semiflush Airport Lights (7-11-75). (Consolidated reprint incorporates Change 1.)

Establishes the performance requirements and pertinent construction details for omnidirectional, unidirectional, and bidirectional semiflush inset light assemblies to be used for lighting airport runways and taxiways.

150/5345-46 Chg. 2 (7-16-79).

Adds a unidirectional threshold light for use with a medium intensity approach light system.

150/5345-47 Isolation Transformers for Airport Lighting Systems (7-28-75).

Contains the specifications requirements for series-to-series isolation transformers for use in airport lighting systems.

150/5345-48 Specification for Runway and Taxiway Edge Lights (8-1-75).

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).

150/5345-49 Specification L-854, Radio Control Equipment (5-20-77).

Contains the specification for radio control equipment to be used for controlling airport lighting facilities.

150/5345-49 Chg. 1 (8-15-78).

150/5345-50 Specification for Portable Runway Lights (10-16-78).

Creates a standard and specification for a battery operated light unit to be used to outline a runway area temporarily.

150/5355-1A International Signs to Facilitate Passengers Using Airports (11-3-71).

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).

Furnishes guidance for the planning and design of fallout shelters in airport terminal buildings.

150/5360-2 Airport Cargo Facilities (4-6-64).

Provides guidance material on air cargo facilities.

150/5360-4A Guidelines for Federal Inspection Services Facilities at International Airports of Entry and at Landing Rights Airports (10-7-77).

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.

150/5360-5 Announcement of Availability of the International Civil Aviation Organization (ICAO) Computer Data Bank Materials (8-13-76).

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).

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).

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

150/5360-8 Announcement of Availability of Information on Foreign Airport Planning, Design, Construction, and Trade Opportunities (9-24-76).

Provides information on the availability of the U.S. Dept. of Commerce Foreign Trade Opportunities Program and on publications issued on foreign airport planning, design, construction, and trade opportunities.

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

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

150/5370-2A Operational Safety on Airports With Emphasis on Safety During Construction (6-20-75). (Consolidated reprint incorporates Change 1.)

Presents guidelines concerning operational safety on airports with special emphasis on safety during periods of construction activity.

150/5370-4 Procedures Guide for Using the Standard Specifications for Construction of Airports (5-29-69).

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

150/5370-6 Construction Progress and Inspection Report—Federal-Aid Airport Program (3-16-70).

Provides for a report on construction progress and inspection of Federal-aid Airport Program (FAAP) projects, suggests a form for the report, and recommends use of the form unless other arrangements exist to obtain the type of information provided by the form.

150/5370-7 Airport Construction Controls To Prevent Air and Water Pollution (4-26-71).

Supplies guidance material on compliance with air and water standards during construction of airports developed under the Airport and Airway Development Act of 1970.

150/5370-9 Slip-Form Paving—Portland Cement Concrete (6-7-73).

Transmits guidance for the construction of Portland Cement Concrete pavements by the slip-form method.

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

Provides construction standards usually used to specify grading, drainage, paving, lighting, fencing, and turfing items of work on civil airports. (\$7.25 Supt. Docs.) SN 050-007-00264-5.

150/5370-10 Chg. 1 (5-31-77).

150/5370-10 Chg. 2 (12-28-78).

150/5370-10 Chg. 3 (10-12-78).

150/5370-10 Chg. 4 (8-23-78).

150/5370-10 Chg. 5 (5-15-79).

150/5370-10 Chg. 6 (3-10-80).

150/5370-10 Chg. 7 (3-10-80).

150/5370-10 Chg. 8 (4-3-80).

150/5370-10 Chg. 9 (5-12-80).

This change to the "Notice to Users" explains the use of guide specification format in developing project specifications. It also includes information on the computerized preparation of project specifications.

● **150/5370-10 Chg. 10 (11-26-80).**

Transmits item P-156, Temporary Air Water Pollution, Soil Erosion and Siltation Control. Provides for payment of temporary measures necessary to control air and water pollution during construction.

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

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.

150/5380-4 Ramp Operations During Periods of Snow and Ice Accumulation (9-11-68).

Directs attention to an increased accident potential when snow or ice accumulates on the surfaces of ramps and aircraft parking and holding areas and suggests some measures to reduce this potential.

150/5380-5 Debris Hazards at Civil Airports (3-8-71).

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

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

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.

PLANNING GRANT PROGRAM

150/5900-1B The Planning Grant Program for Airports (1-31-79).

Offers guidance to the sponsors of airport system plans and airport master plans on how to participate in the FAA's Planning Grant Program. It describes the application process and the administrative procedures to be followed in performing planning projects.

Air Navigational Facilities

SUBJECT No. 170

170-6B Use of Radio Navigation Test Generators (3-14-78).

Gives information received from the Federal Communications Commission as to the frequencies on which the FCC will license test generators (used to radiate a radio navigation signal) within the scope of its regulations and gives additional information to assist the user when checking aircraft navigation receivers.

170-9 Criteria for Acceptance of Ownership and Servicing of Civil Aviation Interest(s) Navigational and Air Traffic Control Systems and Equipment (11-26-68).

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).

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).

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.

170-12 Implementation of 50 KHz/Y Channels for ILS/VOR/DME (10-7-70).

Advises aircraft owners, operators and radio equipment manufacturers of plans for future implementation of split channel assignments in the aeronautical radio navigation bands.

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

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

183-32A FAA Designated Maintenance Technician Examiner Directory (4-18-80).

Provides a revised directory of Designated Mechanic Examiners (DMEs) and Designated Parachute Rigger Examiners (DPREs) certificated as of March 1, 1980.

● **183-29-1N Designated Engineering Representatives (8-7-80).**

Lists FAA-approved Designated Engineering Representatives who are available for consulting work.

Flight Information

SUBJECT No. 210

210-4A National Notice to Airmen (NOTAM) System Handbook (4-1-78).

Announces the establishment of criteria for originating, preparing, and disseminating changes to essential flight information to pilots and other aviation interests as established by FAA Order 7930.1A.

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

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).

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).

Advisory Circulars For Sale

This List contains those circulars that are sold by the Superintendent of Documents. (See numerical index for appropriate price, sequential lettering, if any, and date, etc.)

- Acceptable Methods, Techniques, and Practices—Aircraft Alterations, AC 43.13-2.
Acceptable Methods, Techniques, and Practices—Aircraft Inspection and Repair, AC 43.13-1.
Advanced Ground Instructor Written Test Guide, AC 143-4.
Aircraft Dispatcher Written Test Guide, AC 65-4.
Airframe and Powerplant Mechanics Airframe Handbook, AC 65-15.
Airframe and Powerplant Mechanics Certification Guide, AC 65-2.
Airframe and Powerplant Mechanics Certification Information, AC 65-11.
Airframe and Powerplant Mechanics—General Handbook, AC 65-9.
Airframe and Powerplant Mechanics Powerplant Handbook, AC 65-12.
Airline Transport Pilot—Airplane—Practical Test Guide (Part 61 Revised), AC 61-77.
Airline Transport Pilot—Airplane (Air Carrier)—Written Test Guide, AC 61-87.
Airline Transport Pilot (Helicopter) Written Test Guide, AC 61-42.
Airport Drainage, AC 150/5320-5.
Airport Master Plans, AC 150/5070-6.
Aviation Instructors Handbook, AC 60-14.
Aviation Weather, AC 00-6.
Aviation Weather Services, AC 00-45.
Basic Glider Criteria Handbook, AC 21-3.
Basic Ground Instructor Written Test Guide, AC 143-3.
Basic Helicopter Handbook, AC 61-18.
Commercial Pilot Airplane Flight Test Guide, AC 61-55.
Commercial Pilot Airplane Written Test Guide, AC 61-71.
Federal Aviation Regulations Written Test Guide for Private, Commercial, and Military Pilots, AC 61-34.
Flight Engineer—Turboprop Reciprocating Engine Written Test Guide, AC 63-4.
Flight Instructor Instrument—Airplane—Written Test Guide, AC 61-70.
Flight Instructor Practical Test Guide, AC 61-58.
Flight Instructor Airplane Written Test Guide, AC 61-72.
Flight Test Guide—Gyroplane, Private and Commercial, AC 61-30.
Flight Test Guide—Helicopter, Private and Commercial Pilot, AC 61-25.
Flight Test Guide (Part 61 revised)—Instrument Pilot Airplane, AC 61-56.
Flight Test Guide—Instrument Pilot Helicopter, AC 61-64.
Flight Test Guide (Part 61 revised)—Private Airplane, AC 61-54.
Flight Navigator Written Test Guide, AC 63-2.
Flight Training Handbook, AC 61-21.
Forming and Operating a Flying Club, AC 00-25.
Ground Instructor—Instrument—Written Test Guide, AC 143-2.
Ground Instructor Written Test Guide—Basic and Advanced, AC 143-1.
Guide to Drug Hazards in Aviation Medicine, AC 91.11-1.
Heliport Design Guide, AC 150/5390-1.
Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System, AC 20-36.
Instrument Flying Handbook, AC 61-27.
Instrument Rating Written Test Guide, AC 61-8.
Inspection Authorization Study Guide, AC 65-19.
Medical Handbook for Pilots, AC 67-2.
Multiengine Airplane Class and Type Rating, AC 61-57.
Nondestructive Testing in Aircraft, AC 43-3.
Parachute Rigger Certification Guide, AC 65-5.
Personal Aircraft Inspection Handbook, AC 20-9.
Pilot Transition Courses for Complex Single-engine and Light, Twin-engine Airplanes, AC 61-9.
Pilot's Handbook of Aeronautical Knowledge, AC 61-23.
Pilot's Weight and Balance Handbook, AC 91-23.
Planning the Metropolitan Airport System, AC 150/5070-5.
Planning the State Airport System, AC 150/5050-3.
Private and Commercial Pilot, Flight Test Guide, AC 61-59.
Private and Commercial Pilot Glider, Flight Test Guide, AC 61-81.
Private and Commercial Pilot Gyroplane, Flight Test Guide, AC 61-60.
Private and Commercial Pilots Refresher Courses, AC 61-10.
Private and Commercial Pilot—Rotorcraft/Helicopter—Written Test Guide, AC 61-73.
Private Pilot—Airplane—Written Test Guide, AC 61-32C.
Standards for Specifying Construction of Airports, AC 150/5370-10.
Student Pilot Guide, AC 61-12.
Terrain Flying, AC 91-15.
Ultrasonic Nondestructive Testing for Aircraft, AC 43-7.
Written Test Guide—Airframe and Powerplant Mechanics Airframe, AC 65-21.
Written Test Guide—Airframe and Powerplant Mechanics General, AC 65-20.
Written Test Guide—Airframe and Powerplant Mechanics Powerplant, AC 65-22.
Written Test Guide—Airline Transport Pilot—Airplane (Air Carrier), AC 61-87.
Written Test Guide—Airplane—Flight Instructor, AC 61-72.
Written Test Guide—Airplane—Commercial Pilot, AC 61-71.
Written Test Guide, Flight Instructor—Glider, AC 61-75.
Written Test Guide, Flight Instructor—Rotorcraft—Helicopter, AC 61-74.
Written Test Guide—Fundamentals of Instructing—Flight and Ground Instructors, 1979
Written Test Guide—Private and Commercial Pilot Rotorcraft—Helicopter, AC 61-73.

Internal Publications

Contractions Handbook, 7340.1G (6-1-80).

Gives approved word and phrase contractions used by personnel connected with air traffic control, communications, weather, charting, and associated services. (Sub. \$12.00 domestic, \$15.00 foreign—Supt. Docs.) TD 4.308:C 76/980.

Location Identifiers 7350.4 (Current Edition).

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 of basic). Effective date will coincide with aeronautical charting date. (Sub. \$24.00 domestic, \$30.00 foreign—Supt. Docs.) TD 4.310:

Air Traffic Control Handbook, 7110.65B (1-1-80).

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. \$16.00 domestic, \$20.00 foreign—Supt. Docs.) TD 4.308: Ai 7/3/980.

● **Flight Services, 7110.10E (1-1-81).**

Prescribes procedures and phraseology for use by personnel providing flight assistance services. (Sub. \$17.00 domestic, \$21.25 foreign—Supt. Docs.) TD 4.308:F 64/979.

● **Data Communications, 7110.80A (1-1-81).**

Provides procedures for use by personnel providing communications service. It contains Services A and B teletypewriter operating procedures, pertinent International Teletypewriter Procedures, and the U.S. Service A Weather Schedules. (Sub. \$14.00 domestic, \$17.50 foreign—Supt. Docs.) TD 4.308:D 26/979.

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. (\$4.00 single copy. Supt. Docs.) (Changes sold separately as issued.) SN 050-007-00345-5.

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. (\$4.50 Supt. Docs.) SN 050-007-00488-5.

Miscellaneous Flight Information**Airman's Information Manual:****Basic Flight Information and ATC Procedures.**

This part is issued semiannually 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. \$5.00 domestic, \$6.25 foreign—Supt. Docs.) TD 4.12/3:

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 \$26.00 domestic, \$32.50 foreign—Supt. Docs.) TD 4.12/2:

Graphic Notices and Supplemental Data.

Issued quarterly and contains Parachute Jump Areas; Special Notice—Area Graphics; Terminal Area Graphics; Terminal Radar Service Area Graphics; Olive Branch Routes and other data not requiring frequent change. (Annual Sub. \$10.00 domestic, \$12.50 foreign—Supt. Docs.) TD 4.12: Pt. 4/.

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. 28 (1980 Edition)

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. \$9.00 domestic, \$11.25 foreign—Supt. Docs.) TD 4.309:28.

International Notices to Airmen

Covers foreign NOTAM data and associated navigational data generally classified as "Special Notices." Published biweekly. (Annual Sub. \$31.00 domestic, \$38.75 foreign—Supt. Docs.) TD 4.11.

● **United States Aeronautical Information Publication, Eighth Edition, January 1981**

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. \$35.00 domestic, \$43.75 foreign—Supt. Docs.) TD 4.308:Ae 8/979.

Production/Design Approvals**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.

Vol. I Single Engine Airplanes (Sub. \$50.00 domestic, \$62.50 foreign—Supt. Docs.) TD 4.15/3: 979.

Vol. II Small Multiengine Airplanes (Sub. \$42.00 domestic, \$52.50 foreign—Supt. Docs.) TD 4.15/4: 979.

Vol. III Large Multiengine Airplanes (Sub. \$38.00 domestic, \$47.50 foreign—Supt. Docs.) TD 4.15/5: 979.

Vol. IV Rotorcraft, Gliders, and Balloons (Sub. \$37.00 domestic, \$46.25 foreign—Supt. of Docs.) TD 4.15/6: 979.

Vol. V Aircraft Engines and Propellers (Sub. \$42.00 domestic, \$52.50 foreign—Supt. Docs.) TD 4.15/7: 979.

Vol. VI Aircraft Listing and Aircraft Engine and Propeller Listing (SN 050-007-00360-9) (Single Copy \$4.15 domestic, \$5.20 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.

Renewal prices for current subscribers of Vols. I and II will be \$34.00 domestic, \$42.50 foreign; Vol. III, \$32.00 domestic, \$40.00 foreign; Vol. IV, \$33.00 domestic, \$41.25 foreign; Vol. V \$31.00 domestic, \$38.75 foreign effective with the January 1981 supplements.

Volume VI is sold on a single-sale basis and will be issued as a revised edition when sufficient changes warrant.

● **Parts Manufacturer Approvals, 1980**

Provides a list of replacement and modification parts approved for sale for installation on type certificated products. (\$13.00 Supt. Docs.) SN 050-007-00553-9.

Summary of Supplemental Type Certificates, April 1980

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. Quarterly Supplements provided. (Sub. \$43.00 domestic, \$54.00 foreign—Supt. Docs.) TD 4.36:980.

Airworthiness Information

The Summary of Airworthiness Directives—Volumes I and II, 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.

Summary of Airworthiness Directives for Small Aircraft Volume I (January 1980).

Presents, in volume form, all the Airworthiness Directives for small aircraft issued through December 31, 1977. AD's for engines, propellers, and equipment are included in each volume. Each volume is arranged alphabetically by product manufacturer. (\$21.00 domestic, \$26.25 for foreign handling.) SN 050-007-00425-7.

Summary of Airworthiness Directives for Large Aircraft Volume II (January 1980).

Presents, in volume form, all the Airworthiness Directives for large aircraft (over 12,500 pounds maximum certificated takeoff weight) issued through December 31, 1977. AD's for engines, propellers, and equipment are included in each volume. (\$18.00 domestic, \$22.50 for foreign handling.) SN 050-007-00426-5.

VFR/IFR Exam-O-Grams

Brief, timely, and graphic articles developed and published on a continuing basis, Exam-O-Grams 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. \$13.00 domestic, \$16.25 foreign—Supt. Docs.) List ID: IVPEG.

APPENDIX II

ALPHABETICAL LIST OF ADVISORY CIRCULARS

(This list ignores the "The" "A", and "FAA" in creating an alphabetical order)

A

- Acceptable Methods, Techniques, and Practices—Aircraft Alterations, 43.13-2A (6-9-77).
- Acceptable Methods, Techniques and Practices—Aircraft Inspection and Repair, 43.13-1A (4-17-72).
- Accessibility to Excess Emergency Exits, 20-60 (7-18-68).
- Accidental or Unauthorized Activation of Emergency Locator Transmitters (ELT), 20-81 (10-10-72).
- The Accident Prevention Counselor Program, 60-13 (4-27-76).
- Accidents Resulting from Wheelbarrowing in Tricycle Gear Equipped Aircraft, 90-34 (2-27-68).
- Accounting Records Guide for Airport Aid Program Sponsors, 150/5100-10A (4-13-76).
- Acrobatic—Precision Flying With a Purpose, 91-48 (6-29-77).
- FAR 135: Additional Maintenance Requirements for Aircraft Type Certificated for Nine or Less Passenger Seats, 135-7 (10-24-78).
- Additional Weather Information: Domestic and Flag Air Carriers, 121-25 (9-16-77).
- Address List for Engineering and Manufacturing District Offices, 20-90B (12-3-76).
- AIRPORT PLANNING
- Address List for Regional Airports Divisions and Airports District/Field Offices, 150/50003E (4-30-79).
- Address List of State Offices of Emergency Medical Services, 150/5200-24 (10-11-77).
- Advanced Ground Instructor Written Test Guide, 143-4 (4-28-80).
- Advisory Circular Checklist, 00-2TT (3-15-81).
- Agricultural Aircraft Operations, 137-1 (11-29-65).
- Aids Authorized for Use by Airman Written Test Applicants, 60-11A (12-14-79).
- Airborne Automatic Direction Finder Installations (Low and Medium Frequency), 20-63 (7-7-69).
- Airborne Homing and Alerting Equipment for use with Emergency Locator Transmitters, 20-87 (5-7-73).
- Airborne VHF Communication System Installations, 20-67A (10-17-72).
- Air Carrier Dispersal Planning Program, 120-36 (6-5-78).
- Aircraft Airworthiness; Restricted Category: Certification of Aircraft With Uncertificated or Altered Engines or Propellers, 21-8 (5-21-69).
- Aircraft Arresting System for Joint Civil/Military Airports, 150/5220-9 (4-6-70).
- Aircraft Data, 150/5325-5B (7-30-75).
- Aircraft Dispatcher Written Test Guide, 65-4C (7-11-77).
- Aircraft Engine Crankshaft Failure, 20-103 (3-7-78).
- Aircraft Engine Type Certification Handbook, 33-2A (6-5-72).
- Aircraft Fire and Rescue Communications, 150/5210-7A (3-16-72).
- Aircraft Fire and Rescue Facilities and Extinguishing Agents, 150/5210-6B (1-26-73).
- Aircraft Fuel Control, 20-43C (10-20-76).
- Aircraft Ground Handling and Servicing, 00-34A (7-29-74).
- Aircraft Hydroplaning or Aquaplaning on Wet Runways, 91-24 (9-4-69).
- Aircraft Ice Protection, 20-73 (4-21-71).
- Aircraft Inspection for the General Aviation Aircraft Owner, 20-106 (April 1978).
- Aircraft Metal Propeller Blade Failure, 20-37C (7-15-80).
- Aircraft Position and Anticollision Light Measurements, 20-74 (7-29-71).
- Aircraft Simulator and Visual System Evaluation and Approval, 121-14B (8-29-80).
- Aircraft Weight and Balance Control, 120-27A (5-14-80).
- Airframe and Powerplant Mechanics Airframe Handbook, 65-15A (4-12-76).
- Airframe & Powerplant Mechanics Airframe Written Test Guide, 65-21 (1978).
- Airframe and Powerplant Mechanics Certification Guide, 65-2D (1-30-76).

- Airframe and Powerplant Mechanics Certification Information, 65-11 (4-21-71).
- Airframe and Powerplant Mechanics—General Handbook, 65-9A (4-12-76).
- Airframe & Powerplant Mechanics General Written Test Guide, 65-20 (1978).
- Airframe and Powerplant Mechanics Powerplant Handbook, 65-12A (4-12-76).
- Airframe & Powerplant Mechanics Powerplant Written Test Guide, 65-22 (1978).
- Airline Transport Pilot—Airplane (Air Carrier)— Written Test Guide, 61-87A (5-15-80).
- Airline Transport Pilot Airplane Practical Test Guide (Part 61 Revised), 61-77 (4-23-74).
- Airline Transport Pilot—Helicopter—Flight Test Guide, 61-82 (8-25-76).
- Airline Transport Pilot (Helicopter) Written Test Guide, 61-42A (1-20-72).
- Airplane Position Lights and Supplementary Lights, 20-30A (4-18-68).
- Airport Aprons, 150/5335-2 (1-27-65).
- Airport Capacity Criteria Used in Long-Range Planning, 150/5060-3A (12-24-69).
- Airport Capacity Criteria Used in Preparing the National Airport Plan, 150/5060-1A (7-8-68).
- Airport Cargo Facilities, 150/5360-2 (4-6-64).
- Airport Construction Controls To Prevent Air and Water Pollution, 150/5370-7 (4-26-71).
- Airplane Deice and Anti-Ice Systems, 91-51 (9-15-77).
- Airport Design Standards—Airports Served by Air Carrier—Bridges and Tunnels on Airports, 150/5335-3 (4-19-71).
- Airport Design Standards—Airports Served by Air Carriers—Runway Geometrics, 150/5335-4 (7-21-75).
- Airport Design Standards—Airports Served by Air Carriers—Surface Gradient and Line-of-Sight, 150/5325-2C (2-6-75).
- Airport Design Standards—Airports Served by Air Carriers—Taxiways, 150/5335-1A (5-15-70).
- Airport Design Standards—Effects and Treatment of Jet Blast, 150/5325-6A (7-13-72).
- Airport Design Standards, General Aviation Airports, Basic and General Transport, 150/5300-6 (7-14-69).
- Airport Design Standards—Site Requirements for Terminal Navigational Facilities, 150/5300-2D (3-10-80).
- Airport Drainage, 150/5320-5 (7-1-70).
- Airport Emergency Medical Facilities and Services, 150/5210-2 (9-3-64).
- Airport Fire Department Operating Procedures During Periods of Low Visibility, 150/5210-9 (10-27-67).
- Airport Fire and Rescue Equipment Building Guide, 150/5210-10 (12-7-67).
- Airport Fire and Rescue Vehicle Specification Guide, 150/5220-14 (3-15-79).
- Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards—Airplanes, 60-6B (9-25-80).
- Airport-Land Use Compatibility Planning, 150/5050-6 (12-30-77).
- Airport Landscaping for Noise Control Purposes, 150/5320-14 (1-31-78).
- Airport Master Plans, 150/5070-6 (2-5-71).
- Airport Miscellaneous Lighting Visual Aids, 150/5340-21 (3-25-71).
- Airport Operations Manual, 150/5280-1 (6-16-72).
- Airport Operations Specifications, 139.12-1 (2-3-75).
- Airport Pavement Design and Evaluation, 150/5320-6C (12-7-78).
- Airport Safety Self-Inspection, 150/5200-18 2-5-72).
- Airport Snowblower Specification Guide, 150/5220-11 (4-10-78).
- Airport Snowsweeper Specification Guide, 150/5200-12 (6-12-78).
- Airport Snow and Ice Control, 150/5200-23 (11-1-76).
- Airport Terminal Building Development with Federal Participation, 150/5360-6 (10-5-76).
- Airshow Waivers, 91-45A (5-16-77).
- Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports, 70-2D (8-1-79).
- Air Taxi Operators and Commercial Operators, 135-3B (12-1-78).
- Air Taxi Operators of Large Aircraft, 135-2A (11-16-73).
- Air Traffic Fuel Economy Program, 90-65 (1-18-74).
- Air Transportation of Handicapped Persons, 120-32 (3-25-77).
- Air Transportation of Mental Patients, 120-34 (6-29-77).
- Air Travel Clubs, 123-1 (10-17-68).
- Air-to-Ground Radio Control of Airport Lighting Systems, 150/5340-27 (8-10-77).
- Airway and Route Obstruction Clearance, 95-1 (6-17-65).
- Airworthiness Directives for General Aviation Aircraft, 39-7 (7-10-79)
- Alternate Operational Landing Distances for Wet Runways; Turbojet Powered Transport Category Airplanes, 121.195(d)-1 (11-19-65).
- Alternate Static Source for Altimeters and Airspeed and Vertical Speed Indicators, 135.155-1 (2-16-65).
- Altitude Alerting Devices/Systems, 91-22A (12-23-71).
- Altimeter Setting Sources, 91-14D (4-9-79).
- Altimeter and Static System Tests and Inspections, 43-203B (6-20-79).
- Amendment of Federal Aviation Regulation Part 171 (FAR-171)—Cost of Flight and Ground Inspections, 170-11 (9-17-70).
- Announcement of Availability—Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications, 21-15A (8-31-79).
- Announcement of Availability—An Airport Terminal Firefighter Film "Red Alert", 150/5200-26A (9-2-80).

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