

ACS

AC 00-2PP

DATE 7-15-78

ADVISORY CIRCULAR



DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

Washington, D.C.

Subject: ADVISORY CIRCULAR CHECKLIST

1. *Purpose.* This circular transmits the revised checklist of current FAA advisory circulars as of July 15, 1978.

2. *Cancellation.* AC 00-2NN, Advisory Circular Checklist, dated March 15, 1978 is canceled.

3. *Explanation.* The FAA issues advisory circulars to inform the aviation public in a systematic way of non-regulatory 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 (14 CFR Ch. I). This checklist is issued triannually 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. Circulars of a general nature bear a number corresponding to the number of the general subject (subchapter) in the FAR's. A general subject number is used *only* when a circular covers more than one Part.

b. *General subject numbers.* The general subject matter areas and related numbers are as follows:

General Subject Number and Subject Matter

- 00 General.
- 10 Procedural.
- 20 Aircraft.
- 30 Airmen.
- 70 Airspace.
- 90 Air Traffic Control and General Operations.
- 120 Air Carrier and Commercial Operators and Helicopters.
- 140 Schools and Other Certified Agencies.
- 150 Airports.
- 170 Air Navigational Facilities.
- 180 Administrative.
- 210 Flight Information.

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.

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.
- 150/5000 Airport Planning.
- 150/5100 Federal-aid Airport Program.
- 150/5150 Surplus Airport Property Conveyance Programs.
- 150/5190 Airport Compliance Program.
- 150/5200 Airport Safety—General.
- 150/5210 Airport Safety Operations (Recommended Training, Standards, Manning).
- 150/5220 Airport Safety Equipment and Facilities.
- 150/5230 Airport Ground Safety System.
- 150/5240 Civil Airports Emergency Preparedness.
- 150/5300 Design, Construction, and Maintenance—General.
- 150/5320 Airport Design.
- 150/5325 Influence of Aircraft Performance on Aircraft Design.
- 150/5335 Runway, Taxiway, and Apron Characteristics.
- 150/5340 Airport Visual Aids.
- 150/5345 Airport Lighting Equipment.
- 150/5360 Airport Buildings.
- 150/5370 Airport Construction.
- 150/5380 Airport Maintenance.
- 150/5390 Helicopters.
- 150/5900 Planning Grants for Airports.

Initiated by: AMS-110

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

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 effective date for each circular are shown. A brief explanation of the contents is given for each listing.

b. *Omitted numbers.* In some series, sequential 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.

c. *Free and sales circulars.* This checklist contains advisory circulars that are for sale as well as those distributed free of charge by the Federal Aviation Administration. A list of circulars sold by the Superintendent of Documents is shown at the end of the numerical list of AC's. Please use care when ordering circulars to ensure that they are ordered from the proper source.

d. *Internal directives for sale.* A list of certain internal directives sold by the Superintendent of Documents is shown at the end of the checklist. These documents are not identified by advisory circular numbers, but have their own directive numbers.

6. *How to get circulars.*

a. When a price is listed after the description of a circular, it means that this circular is for sale by the Superintendent of Documents. When (Sub.) is included with the price, the advisory circular is available on a subscription basis only. After your subscription has been entered by the Superintendent of Documents, supplements or changes to the basic document will be provided automatically at no additional charge until the subscription expires. When no price is given, the circular is distributed free of charge by FAA.

b. Request free advisory circulars shown without an indicated price from:

U.S. Department of Transportation, Publications Section
M 448.1, Washington, D.C. 20590

c. Persons who want to be placed on FAA's mailing list for future circulars should write to:

U.S. Department of Transportation, Distribution Requirements Section, M 482.2, Washington, D.C. 20590

NOTE.—Be sure to identify the subject matter numbers and titles shown in paragraph 4b because separate mailing lists are maintained for each advisory circular subject series. Checklists and circulars issued in the General series will be distributed to every addressee on each of the subject series lists. Persons requesting more than one subject classification may receive more than one copy of related circulars and this checklist because they will be included on more than one mailing list. Persons

already on the distribution list for AC's will automatically receive related circulars.

d. Order advisory circulars and internal directives with purchase price given from:

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

or from any of the following Government bookstores located throughout the United States:

GPO Bookstore, 9920 B Parkway East, Roebuck Shopping Center, Birmingham, AL 35206

GPO Bookstore, Federal Building, Room 2089, 800 North Los Angeles Street, Los Angeles, CA 90012.

GPO Bookstore, Federal Building, Room 1923, 450 Golden Gate Avenue, San Francisco, CA 94102.

GPO Bookstore, Federal Building, U.S. Courthouse, Room 1421, 1981 Stout Street, Denver, CO 80202.

GPO Bookstore, 720 North Main, Majestic Bldg., Pueblo, CO 81003.

GPO Bookstore, Federal Building, Room 158, 400 West Bay Street, Jacksonville, FL 32202.

GPO Bookstore, Room 100, Federal Building, 275 Peachtree Street NE., Atlanta, GA 30303.

GPO Bookstore, Everett McKinley Dirksen Building, Room 1463, 14th Floor, 219 South Dearborn Street, Chicago, IL 60604.

GPO Bookstore, Room G25, John F. Kennedy Federal Building, Sudbury Street, Boston, MA 02208.

GPO Bookstore, Federal Office Building, Suite 160, 477 Michigan Ave., Detroit, MI 48226.

GPO Bookstore, Federal Building, Room 185, 601 East 12th Street, Kansas City, MO 64106.

GPO Bookstore, Room 110, 26 Federal Plaza, New York, NY 10007.

GPO Bookstore, Room 207, Federal Office Bldg., 200 N. High St., Columbus, OH 43215.

GPO Bookstore, Federal Office Building, Room 171, 1240 East Ninth Street, Cleveland, OH 44199.

GPO Bookstore, Federal Office Bldg., Room 1214, 600 Arch St., Philadelphia, PA 19106.

GPO Bookstore, 45 College Center, 9819 Gulf Freeway, Houston, TX, 77017.

GPO Bookstore, Room 1048, Federal Building, U.S. Courthouse, 100 Commerce Street, Dallas, TX, 75242.

GPO Bookstore, Federal Building, Room 190, 915 Second Ave., Seattle, WA 98174.

GPO Bookstore, Federal Building, Room 190, 519 E. Wisconsin Avenue, Milwaukee, WI 53202.

GPO Bookstore, 710 North Capitol Street, NW., Washington, D.C. 20402.

Send check or money order with your order to the Superintendent of Documents. Make the check or money order payable to the Superintendent of Documents in the amounts indicated in the list. 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.

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

The following advisory circulars are

8. Canceled
by Circular Checklist, 3-15-78. Canceled
by AC 00-2PP Advisory Circular Checklist,
AC 00-

Announcement of Federal Aviation Regulations, Canceled by AC 00-44I Status of Federal Regulations, 3-15-78.

General Aviation Inspection Aids, August 1977.
AC 48-16 General Aviation Airworthiness Alerts, 3-15-78.

Announcement of Availability of Summary of Supplemental Type Certificates, 4-7-78. Canceled by AC 00-44I Status of Federal Regulations, 3-15-78.

Announcement of Availability of Summary of Business Directives, 2-11-76. Canceled by AC 00-44I Status of Federal Regulations, 3-15-78.

AC 00-44I Status of Federal Aviation Regulations, 3-15-78.

AC 60-2M Annual Aviation Mechanic Safety Awards Program, 3-3-75. Canceled by AC 60-2N Annual Aviation Mechanic Safety Awards Program, 3-3-78.

AC 61-52B Flight Instructor of the Year Award Program, 1-5-74. Canceled by AC 61-52C Flight Instructor of the Year Award Program, 3-3-78.

AC 65-4B Aircraft Dispatcher Written Test Guide, 7-25-72. Canceled by AC 65-4C Aircraft Dispatcher Written Test Guide, 7-11-77.

AC 70-2B Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports, 9-23-77. Canceled by AC 70-2C Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports, 4-4-78.

AC 90-14A Altitude-Temperature Effect on Aircraft Performance, 1-26-68. Canceled.

AC 90-60 Weather Observation Reporting Obscured or Partially Obscured Sky Conditions, 3-31-72. Canceled.

AC 91-6 Water, Slush, and Snow on the Runway, 1-21-65. Canceled by AC 91-6A Water, Slush, and Snow on the Runway, 5-24-78.

AC 91-14B Altimeter Setting Sources, 10-1-71. Canceled by AC 91-14C Altimeter Setting Sources, 6-14-78.

AC 99-1 Security Control of Air Traffic, 1-12-72. Canceled by AC 99-1A Security Control of Air Traffic, 2-27-78.

AC 120-17 Maintenance Control by Reliability Methods, 12-31-64. Canceled by AC 120-17A Maintenance Control by Reliability Methods, 3-27-78.

AC 140-2K List of Certificated Pilot Schools, 4-25-77. Canceled by AC 140-2L List of Certificated Pilot Schools, 5-11-78.

AC 147-2R Directory of FAA Certificated Aviation Maintenance Technician Schools, 4-12-77. Canceled by AC 147-2S Directory of FAA Certificated Aviation Maintenance Technician Schools, 5-5-78.

AC 149-2H Listing of FAA Certificated Parachute Lofts, 5-10-76. Canceled by AC 149-2J Listing of FAA Certificated Parachute Lofts, 4-21-78.

AC 170-6A Use of Radionavigation Test Generators, 3-30-66. Canceled by AC 170-6B Use of Radionavigation Test Generators, 3-14-78.

AC 183-30B FAA Designated Mechanic Examiners Directory, 5-10-76. Canceled by AC 183-30C FAA Designated Mechanic Examiners Directory, 5-11-78.

AC 183-31C FAA Designated Parachute Rigger Examiner Directory, 5-10-76. Canceled by AC 183-31D FAA Designated Parachute Rigger Examiner Directory, 4-21-78.

AC 210-4 U.S. Civil Notice to Airmen (NOTAM) System, 3-3-77. Canceled by AC 210-4A U.S. Civil Notice to Airmen (NOTAM) System, 4-1-78.

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

AC 00-2PP Advisory Circular Checklist, 7-15-78.

AC 00-44I Status of Federal Aviation Regulations, 3-15-78.

AC 20-103 Aircraft Engine Crankshaft Failure, 3-7-78.

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

AC 20-105 Engine Power-Loss Accident Prevention, 6-9-78.

AC 21-5E Announcement of Availability of Summary of Supplemental Type Certificates, 4-7-78.

AC 39-6F Announcement of Availability of Summary of Airworthiness Directives, 3-6-78.

AC 48-16 General Aviation Airworthiness Alerts, 6-9-78.

AC 60-2N Annual Aviation Mechanic Safety Awards Program, 3-3-78.

AC 61-52C Flight Instructor of the Year Award Program, 3-3-78.

AC 63-3 Flight Engineer Turbojet-Basic, Written Test Guide, 10-21-77.

AC 65-4C Aircraft Dispatcher Written Test Guide, 7-11-77.

AC 70-2C Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports, 4-4-78.

AC 91-6A Water, Slush, and Snow on the Runway, 5-24-78.

AC 91-14C Altimeter Setting Sources, 6-14-78.

AC 91-49 CH 1 General Aviation Procedures for Flight in North Atlantic Minimum Navigation Performance Specifications Airspace 2-6-78.

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

AC 99-1A Security Control of Air Traffic, 2-27-78.

AC 120-17A Maintenance Control by Reliability Methods, 3-27-78.

AC 120-35 Line-Oriented Flight Training Programs, 5-24-78.

AC 140-2L List of Certificated Pilot Schools, 5-11-78.

AC 140-6 The Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation No. 86, 3-20-78.

AC 147-2S Directory of FAA Certificated Aviation Maintenance Technician Schools, 5-5-78.

AC 00-2PP
7/15/78

AC 140-2J Listing of FAA Certificated Parachute Lofts,
4-21-78.

AC 150/5150-2A Federal Surplus Personal Property for
Public Airport Purposes, 8-16-78.

AC 150/5200-23 CH 2 Airport Snow and Ice Control,
7-11-78.

AC 150/5300-4B CH 2 Utility Airports—Air Access to
National Transportation, 4-11-78.

AC 150/5320-13 Locating Runway Approach Thresholds,
3-1-78.

AC 150/5320-14 Airport Landscaping for Noise Control
Purposes, 3-1-78.

AC 150/5325-4 CH 13 Runway Length R
Airport Design, 3-13-78.

AC 150/5345-1E CH 3 Approved Airport Lig
ment, 2-24-78.

AC 170-6B Use of Radionavigation Test G
3-14-78.

AC 183-30C FAA Designated Mechanic Examin
rectory, 5-11-78.

AC 183-31D FAA Designated Parachute Rigger Ex
lner Directory, 4-21-78.

AC 210-4A U.S. Civil Notice to Airmen (NOTAM) Sys
tem, 4-1-78.



Brooks C. Goldman
Director, Management Systems

APPENDIX I

ADVISORY CIRCULAR CHECKLIST

Notice

Superintendent of Documents stock numbers have been included to aid Superintendent of Documents personnel in processing orders. Please use them when ordering—along with the title and FAA 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.

NOTICE

Prices shown are those in effect as of July 15, 1978. Prices are subject to change without notice and the price that will be charged on your order will be those in effect as of the date your order is processed.

General

SUBJECT No. 00

- 00-1 The Advisory Circular System (12-4-62).
Describes the FAA Advisory Circular System.
- 00-2PP Advisory Circular Checklist (7-15-78).
Transmits the revised checklist of current FAA advisory circulars as of July 15, 1978.
- 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. (\$4.55 Supt. Docs.) SN 050-007-00288-1.
- 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 CH 1 Transmits revised material consisting of procedural changes for insertion in the basic (1-6-77).
- 00-21 Shoulder Harness (10-5-66).
Provides information concerning the installation and use of shoulder harnesses by pilots in general aviation aircraft.
- 00-24 Thunderstorms (6-12-68).
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.
- 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.
- 00-28 Communications Interference Caused by Sticking Microphone Buttons (8-6-69).
Alerts the industry of communications interference from undesired radiofrequency transmissions.
- 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 non-aircarrier 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.
- 00-44I Status of the Federal Aviation Regulations (3-15-78).
Lists FAR prices, and provides ordering instructions for purchasing the regulations.
- 00-45A Aviation Weather Services (4-28-77).
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. (\$3.00 Supt. Docs.) SN 050-007-00892-7.

00-46A Aviation Safety Reporting Program (3-31-76).

Advises that the FAA will modify the Aviation Safety Reporting Program, effective April 15, 1976 by utilizing NASA as a third party to receive and analyze the aviation safety reports. This study invites pilots, controllers, and other users of the airspace or any other person to report to NASA actual or potential discrepancies and deficiencies involving the safety of aircraft operations.

00-50 Low Level Wind Shear (4-8-76).

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

11-1A Airspace Rule-Making Proposals and Changes to Air Traffic Control Procedures (12-21-72).

Emphasizes the need for the early submission of proposal involving airspace rule-making activity or changes to existing procedures for the control of air traffic.

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.

20-6DD U.S. Civil Aircraft Register (3-Vol. set) (Dec. 1977).

Lists all active U.S. civil aircraft by registration number (\$19.00 Supt. Docs.) SN 050-007-00408-7.

20-9 Personal Aircraft Inspection Handbook (12-2-64). (Out of print. Being revised.)

Provides a general guide, in simple, nontechnical language, for the inspection of aircraft. Reprinted 1972. (\$1.90 Supt. Docs.) SN 050-011-00001-1.

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 Reversers (3-16-66).

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

20-23D Interchange of Service Experience—Mechanical Difficulties (2-12-71).

Provides information on the voluntary exchange service experience data used in improving durability and safety of aeronautical products.

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-I-27686 as an acceptable means of compliance with the FARs that require assurance of continuous fuel flow under conditions where ice may occur in turbine aircraft fuel systems.

20-30A 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.

20-34B Prevention of Retractable Landing Gear Failures (7-13-77).

Provides information and suggested procedures to minimize landing accidents involving aircraft having retractable landing gear.

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

Provides information of general use on aircraft tie-down techniques and procedures.

20-36F Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System—July 1, 1976 (9-9-76).

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, 1976. Such products are deemed to have met the requirements for FAA approval as provided in Part 37 of the Federal Aviation Regulations.

20-37B Aircraft Metal Propeller Blade Failure (9-12-74).

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.

20-42 Hand Fire Extinguishers in Transport Category Airplanes and Rotorcraft (9-1-65).

Sets forth acceptable means (but not the sole means) of compliance with certain hand fire extinguisher regulations in FAR 25 and FAR 29, and provides related general information.

AC 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 Safetying of Turnbuckles on Civil Aircraft (9-17-65).

Provides information on turnbuckle safetying 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 openable from the outside on transport airplanes.

20-48 Practice Glide 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—January 1974, 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.

20-55 Turbine Engine Overhaul Standard Practices Manual—Maintenance of Fluorescent Penetrant Inspection Equipment (1-22-68).

Advises operators of the necessity for periodic checking of black light lamps and filters used during fluorescent penetrant inspection of engine parts.

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 (2-19-68).

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 CH 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 (8-28-76).

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 CH 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.

20-68A Recommended Radiation Safety Precautions for Airborne Weather Radar (4-11-75).

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 (7-23-71).

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

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

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 (8-22-72).

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.

20-81 Accidental or Unauthorized Activation of Emergency Locator Transmitters (ELT) (10-10-72).

Alerts the general aviation community to the harmful effects of accidental or unauthorized activation of emergency locator transmitters.

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 CH 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 CH 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 CH 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 CH 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 CH 2 (1-31-75).

20-85 Emergency Locator Transmitters and Receivers (3-16-73).

Provides information concerning the design, installation, and utilization of emergency locator transmitters.

20-86 Aviation Education through Building an Airplane (5-11-73).

Provides information to high schools about the available assistance, resources, methods, and opportunities for attaining basic educational goals by building an airplane.

20-87 Airborne Homing and Alerting Equipment for use with Emergency Locator Transmitters (5-7-73).

Sets forth the availability of recommended basic characteristics for airborne homing and alerting equipment for use with emergency locator transmitters (ELT).

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

Provides guidelines on the marking of aircraft power-plant instruments.

20-89 Communication Interference Caused by Unintentional Radio Transmissions (3-22-74).

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

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 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 power-plant compartment.

20-101 Omega and Omega/VLF Navigation System Installation Approval in the Conterminous U.S. and Alaska (10-14-77).

Presents criteria and an acceptable means, but not the sole means, of compliance for the installation approval of Omega and Omega/VLF Navigation Airborne Equipment as a means of VFR/IFR RNAV en route navigation within the conterminous U.S. 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.

AC 20-105 Engine Power-Loss Accident Prevention (6-9-78).

Advises of the circumstances surrounding engine power-loss accidents with recommendations on how those accidents may be prevented.

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.

21-2C Export Airworthiness Approval Procedures (5-7-76).

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 (1962).

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. Reprinted 1978. (\$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.

21-5E Summary of Supplemental Type Certificates (Announcement of Availability) (5-7-78).

Announces the availability to the public of the new Summary of Supplemental Type Certificates (SSTC), dated April 1978. (See back of this checklist under "Internal Directives" for further information.)

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 (5-20-71).

Provides one acceptable means (not the only means) of showing compliance with the underwater locating device requirements of FAR 25.1459 and FAR 121.848.

21-11 Quality Assurance Systems Analysis Review (QASAR) Program Manufacturers/Suppliers (5-26-72).

Explains the objectives and concept of the FAA's subject program.

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 instructions on establishing eligibility and submitting application for civil airworthiness certification of surplus military aircraft and aircraft assembled from spare and surplus parts, under FAR 21.188(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.

21-15 New Issuance System for "Aircraft Type Certificate Data Sheets and Specifications" and "Aircraft Engine and Propeller Type Certificate Data Sheets and Specifications" (4-5-77).

Provides information concerning a change in the issuance system for the subject Type Certificate and Data Sheets.

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.

21.303-2A Availability of Listing "Parts Manufacturer Approvals"—1977 (10-1-77).

Announces the availability of the parts listing from the Superintendent of Documents at a price of \$8.50. Stock No. 050-007-00401-0.

25-2 Extrapolation of Takeoff and Landing Distance Data Over a Range of Altitude for Turbine-Powered Transport Aircraft (7-9-64).

Sets forth acceptable means by which compliance may be shown with the requirements in CAR 4b and SR-422B.

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.

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

Outlines acceptable ground proximity warning system performance. System performance, other than that described, may also be acceptable when adequately substantiated.

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.

25.981-1A 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.

25.1529-1A Automatic Pilot Systems Approval (7-8-68).

Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 25.1529 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 CH 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 83 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 85.

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

Provides noise level data for airplanes certificated under FAR Part 88 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 88.

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-C48a).

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.

39-6F Summary of Airworthiness Directives (3-6-78).

Announces the availability of Summary of Airworthiness Directives dated January 1, 1978 from the FAA in Oklahoma City and how to obtain them.

43-2A Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments (8-22-74).

Sets forth 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. (\$0.75 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 CH 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 CH 2 (10-8-74).

Clarifies the discussion on the removal of corrosion and treatment of corroded areas.

43-5 Airworthiness Directives for General Aviation Aircraft (8-13-74).

Points areas of misunderstanding regarding: (1) Aircraft owners and operators' responsibility for complying with AD's; (2) maintenance personnel responsibilities with regards to performance of AD's, and (3) maintenance records entries for AD's required by FAR 91.178 (a) (2) (v) and FAR 43.9.

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 050-007-00282-8.

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.

AC 43-16 General Aviation Airworthiness Alerts (6-9-78).

Provides those persons having the most direct effect on aircraft airworthiness with a uniform means through which service experience may be interchanged. Replaces AC 20-7.

43.9-1C Instruction for Completion of FAA Form 337 (12-20-73).

Provides instructions for completing revised FAA Form 337, Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance).

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. (\$3.70—Supt. Docs.) SN 050-011-00058-5.

43.13-1A CHG 1 (5-12-75).

Transmits new and revised material for basic advisory circular. (\$0.65—Supt. Docs.) SN 050-007-00294-7.

43.13-1A Ch 2 (12-22-76).

Transmits revised material concerning aircraft instrument adjustments. (\$0.85 Supt. Docs.) SN 050-007-00868-4.

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 050-007-00407-0.

43-203A Altimeter and Static System Tests and Inspections (6-6-67).

Specifies acceptable methods for testing altimeter and static system. Also, provides general information on test equipment used and precautions to be taken.

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.

60-6A Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards—Airplanes (2-9-76).

Alerts pilots 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.

60-11 Aides Authorized for Use by Airman Written Test Applicants (8-27-74).

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. (\$2.75 Supt. Docs.) SN 050-011-00072-1.

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 material. 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. (\$0.45 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 050-011-00060-5.

61-12H Student Pilot Guide (2-14-77).

Provides guidance for student pilots and those already in primary flight training. Updated to include requirements covered in Part 61. (\$1.50 Supt. Docs.) SN 050-007-00377-8.

61-13A Basic Helicopter Handbook (4-5-78).

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. (\$2.50 Supt. Docs.) SN 050-011-00064-8.

61-18E Airline Transport Pilot—Airplane—Written Test Guide (5-8-77).

Prepared to assist applicants who are preparing for the Airline Transport Pilot (Airplane) Written Test. Describes the basic aeronautical knowledge and associated requirements for certification. Contains instructions for taking the written test and representative test questions. (\$3.25 Supt. Docs.) SN 050-007-00416-8.

61-19 Safety Hazard Associated With Simulated Instrument Flights (12-4-64).

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.

61-21 Flight Training Handbook (1-11-66).

Provide information and direction in the introduction and performance of training maneuvers for student pilots, pilots requalifying or preparing for additional ratings, and flight instructors. Reprinted in 1969. (\$2.15 Supt. Docs.) SN 050-007-00068-1.

61-23A Pilot's Handbook of Aeronautical Knowledge (7-10-70).

Contains essential, authoritative information used in training and guiding applicants for private pilot certification, flight instructors, and flying school staffs. (\$5.80 Supt. Docs.) SN 050-011-00051-8.

61-27B Instrument Flying Handbook (9-22-70).

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." (\$8.85 Supt. Docs.) SN 050-007-00067-7.

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 1 (5-13-77).

61-32B Private Pilot—Airplane—Written Test Guide (5-2-77).

Provides information, guidelines, and sample test items to assist applicants for the Private Pilot Certificate in attaining necessary aeronautical knowledge. (\$2.80 Supt. Docs.) SN 050-011-00078-0.

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. (\$0.70 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. (\$0.70 Supt. Docs.) SN 050-011-00057-7.

61-47 Use of Approach Slope Indicators for Pilot Training (9-16-70).

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.

61-51 Reporting Flight Time on Pilot Applications, FAA Form 8420-3 (6-26-72).

Advises applicants of the importance of entering their pilot flight time on subject form. (OMB No. 04-R0064).

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 050-007-00348-0.

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 050-007-00298-8.

61-58 Flight Instructor Practical Test Guide (5-1-73).

Outlines new requirements based on changes to FAR Part 61, Certification of Pilots and Flight Instructors. (\$0.50 Supt. Docs.) SN 050-011-00067-4.

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. (\$1.60 Supt. Docs.) SN 050-007-00384-8.

61-60 Private and Commercial Pilot Gyroplane, Flight Test Guide (May 1978).

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 050-011-00066-6.

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. (\$1.10 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. (\$1.80 Supt. Docs.) SN 050-007-00404-4.

61-65 Part 61 (Revised) Certification: Pilot and Flight Instructors (9-5-73).

Informs pilots and flight instructors of the changes in Part 61, revised January 23, 1973, their effects, and the standards and procedures which will be used in implementing them.

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, 133, 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.

61-68 Flight Instructor Refresher Clinics—Scheduling, Attendance, Facilities, and Equipment (2-27-74).

Provides guidance to sponsors regarding scheduling, required facilities and equipment, and attendance control at Flight Instructor Refresher Clinics in which the Flight Instructor Refresher Unit (FIRU) participates.

61-70 Flight Instructor Instrument—Airplane—Written Test Guide (3-29-74).

Provides guidance for the applicant by outlining the scope of knowledge required for the Flight Instructor Certificate with an Instrument Airplane Rating. (\$1.65 Supt. Docs.) SN 050-007-00252-1.

61-71A Commercial Pilot Airplane Written Test Guide (3-24-77).

Outlines the aeronautical knowledge requirements for a commercial pilot rating, outlines source material for study, and includes representative test items and illustrations used in the FAA written test. (\$2.30 Supt. Docs.) SN 050-007-00885-4.

61-72A Flight Instructor—Airplane—Written Test Guide (3-24-77).

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. (\$2.70 Supt. Docs.) SN 050-007-00886-2.

61-73 Private and Commercial Pilot Rotorcraft—Helicopter Written Test Guide (8-8-74).

Assists applicants who are preparing for the Private or Commercial Pilot certificate with a Rotorcraft—Helicopter rating under the provisions of FAR Part 61 (revised). (\$1.20 Supt. Docs.) SN 050-007-00265-8.

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. (\$2.30 Supt. Docs.) SN 050-007-00400-1.

61-75 Flight Instructor—Glider—Written Test Guide (9-18-74).

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). (\$0.50 Supt. Docs.) SN 050-007-00257-2.

61-81 Private and Commercial Pilot—Glider—Written Test Guide (4-27-76).

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. (\$1.60 Supt. Docs.) SN 050-007-00839-1.

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. (\$0.80 Supt. Docs.) SN 050-007-00358-7.

61-83 Nationally Scheduled Federal Aviation Administration (FAA)-Approved, Industry-Conducted Flight Instructor Refresher Clinics (9-3-76).

Announces a concept pertaining to FAA-approved, industry-conducted Flight Instructor Refresher Clinics, outlines procedures for approval and invites participation by interested industry groups.

61-84 Role of Preflight Preparation (4-11-77).

Provides guidance information on some elements of flight planning that should be considered in planning and conducting a safe, efficient flight.

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. (\$2.40 Supt. Docs.) SN 050-007-00403-6.

61-86 Pilot Type Rating Certificate Information (6-30-77).

Provides pilot certificate designations adopted by the FAA for aircraft type ratings issued with pilot certificates.

63-1B Flight Engineer Written Test Guide (10-22-70).

Provides information to prospective flight engineers and others interested in this certification area. Contains information about certification requirements and describes the type and scope of the written test. Lists appropriate study and reference material and presents sample questions similar to those found in the official written tests. (\$0.85 Supt. Docs.) SN 050-007-00164-9.

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.

AC 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. (\$3.25 Supt. Docs.) SN 050-007-00418-4.

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. (\$1.80 Supt. Docs.) SN 050-007-00831-5.

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. (\$2.40 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.

65-13C FAA Inspection Authorization Directory (10-19-77).

Provides a new directory of all FAA certificated mechanics who hold an inspection authorization as of Aug. 31, 1977.

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.

65-18 Report Availability of a Survey of the Aviation Mechanics Occupation (9-4-74).

Announces the public availability of the 1974 report on a Survey of the Aviation Mechanics Occupation.

65-19A Inspection Authorization Study Guide (11-17-76).

Provides guidance for persons who conduct annual and progressive inspections and approve major repairs and/or alterations of aircraft. It stresses the importance that certificated mechanics, holding IA's, have in air safety. Primarily intended for mechanics who hold or are preparing to take the test for an inspection authorization. (\$0.65 Supt. Docs.) SN 050-007-00832-3.

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

70-2C Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports (4-4-78).

Advises those persons proposing to construct, alter, activate or deactivate a civil or joint-use (civil/military) airport of the requirement to notify the FAA of their plans.

70/7460-1E Obstruction Marking and Lighting (11-1-76).

Describes FAA standards on obstruction marking and lighting and establishes the methods, procedures, and equipment types for both aviation red and high-intensity white obstruction lights.

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.

78-1 Establishment of Alert Areas (3-11-68).

Announces the establishment of alert areas and sets forth the procedures which FAA will follow in establishing such areas.

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 (6-18-63).

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.

90-42A Traffic Advisory Practices at Nontower Airports (8-16-72).

Establishes, as good operating practices, procedures for pilots to be apprised of or exchange traffic information, when approaching or departing uncontrolled airports.

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 Ch 1 (9-15-75).

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

90-48 Pilots' Role in Collision Avoidance (3-20-70).

Alerts all pilots to the midair collision and near mid-air collision hazard and to emphasize those basic problem areas of concern, as related to the human casual 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 (118-186 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 DMS 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.

90-65 Air Traffic Fuel Economy Program (1-18-74).

Advises the aviation community of flow control procedures that will be utilized to conserve aviation fuel during periods when the normal movement of aircraft is disrupted. Also describes actions required of user groups to ensure efficient flow control planning.

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.

90-73 Local Flow Traffic Management (1-13-77).

Describes new arrival procedures for ATC handling of high-performance aircraft.

90-74 Announcing the Availability of United States Terminal Instrument Procedures (TERPS) (2-4-77).

Announces the availability to the public of the Third Edition of the U.S. Standard for Terminal Instrument Procedures which is available from the Supt. of Docs. for \$2.80. SN 050-007-00345-5.

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.

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.

91-11A Annual Inspection Reminder (12-3-69).

Provides the aviation community with a uniform visual reminder of the date an annual inspection becomes due. (Reference section 91.169(a)(1) of the FAR's.)

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. Reprinted 1970. (\$1.15 Supt. Docs.) SN 050-009-00001-7.

91-13B Cold Weather Operation of Aircraft (1-17-78).

Provides background and guidelines relating to operation of aircraft in the colder climates where wide temperature changes may occur.

91-14C Altimeter Setting Sources (6-14-78).

Provides the aviation public, industry, and FAA field personnel with guidelines for setting up reliable altimeter setting sources.

91-15 Terrain Flying (2-2-67).

A pocket-size booklet designed as a tool for the average private pilot. Contains a composite picture of the observations, opinions, warnings, and advice from veteran pilots who have flown this vast land of ours that can help to make flying more pleasant and safer. Tips on flying into Mexico, Canada, and Alaska. (\$1.40 Supt. Docs.) SN 050-007-00147-9.

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.

91-17 The Use of View Limiting Devices on Aircraft (2-20-68).

Alerts pilots to the continuing need to make judicious and cautious use of all view limiting devices on aircraft.

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. (\$2.30 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.

91-32 Safety in and Around Helicopters (5-7-71).

Provides suggestions to improve helicopter safety by means of acquainting 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.

91-34 Model Aircraft Operating Standards (7-1-72).

Outlines safety standards for operators of model aircraft, and encourages voluntary compliance with these standards.

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. National Park areas now included.

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.

91-38 Large and Turbine-Powered Multiengine Airplanes, Part 91, Subpart D (12-13-72).

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.

91-42A Hazards of Rotating Propellers and Helicopter Rotor Blades (10-19-76).

Provides information on propeller- and rotor-to-person accidents and offers suggestions to reduce the frequency of their occurrence.

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.

91-44 Emergency Locator Transmitters Operational and Maintenance Practices (2-20-76).

Provides guidelines relative to the installation, maintenance, and operation of emergency locator transmitters.

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 CH1 (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 VMF 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 contiguous U.S., Bermuda, and San Juan.

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.

105-2 Sport Parachute Jumping (9-6-68).

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.

120-7A Minimum Altitudes for Conducting Certain Emergency Flight Training Maneuvers and Procedures (7-27-70).

Issued to emphasize to all air carriers and other operators of large aircraft the necessity for establishing minimum altitudes above the terrain or water when conducting certain simulated emergency flight training maneuvers.

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.

120-16A Continuous Airworthiness Program (9-11-69).

Provides air carriers and commercial operators with guidance and information pertinent to certain provisions of Federal Aviation Regulations Parts 121 and 127.

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.

120-26D Civil Aircraft Operator Designators (11-11-76).

Revises the criteria and states the procedures for the assignment of International Civil Aviation Organization two-letter and FAA three-letter aircraft company designators.

120-27 Aircraft Weight and Balance Control (10-15-68).

Provides a method and procedures for weight and balance control.

120-27 CH1 (11-20-73).

Adds Part 123 to subject circular.

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% or RVR 4,000 (Category I) and Category II minima for all aircraft.

120-29 CH1 (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 CH2 (7-26-72).

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

120-29 CH3 (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.

7/15/78

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. 20, 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.

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 CH 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 CH 2 (8-19-76).**121-1A CH 3 (2-18-77).****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 CH 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 CH 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.

121-14A Aircraft Simulator Evaluation and Approval (2-9-76).

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.

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 (8-14-72).

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

121-18 Aviation Security—Carriage of Weapons and Escorted Persons (7-15-75).

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.

121-20 Aviation Security: Supplemental Air Carriers (3-17-76).

Provides supplemental air carriers with information concerning recommended general security measures applicable to charter operations that should minimize the effects of crimes directed against air transportation.

121-21 Information Guide for Training Programs and Manual Requirements in the Air Transportation of Hazardous Materials (7-30-76).

Provides certificate holders under Parts 121 and 135 of the FARs with information relevant to recent amendment Docket HM-112 that incorporated FAR Part 103 into Title 49 of the CFR as Part 175. Outlines some of the substantive changes in the requirements for air transportation of hazardous 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.

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.

129-1 Foreign Air Carriers—Security Programs and Other Requirements—FAR Part 129 (9-25-75).

Provides guidance to foreign air carriers concerning the requirements of FAR Part 129, Sections 129.25 and 129.27.

133-1 Rotorcraft External-Load Operations in Accordance with FAR Part 133 (7-15-77).

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

135.144-1 Small Propeller-Driven Air Taxi Airplanes That Meet Section 135.144 (4-13-72).

Provides a summary of and information on small propeller-driven air taxi airplanes that comply with section 135.144 and may continue operations under FAR Part 135 after May 31, 1972, with 10 or more passenger seats.

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.

135-1C Air Taxi Aircraft Weight and Balance Control (2-10-77).

Provides the procedures for developing a weight and balance control system for small aircraft operating in the air taxi fleet under FAR Part 135.

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.

135-3A Air Taxi Operators and Commercial Operators of Small Aircraft (1-16-75).

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

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.

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

140-1J Consolidated Listing of FAA Certificated Repair Stations (7-27-77).

Provides a revised directory of all FAA certificated repair stations as of May 31, 1977.

140-2L List of Certificated Pilot Schools (5-11-78).

Provides a list of FAA certificated pilot flight and ground schools as of March 1978.

140-3B Approval of Pilot Training Courses Under Subpart D of Part 141 of the FAR (1-8-70).

The title is self-explanatory.

140-5 Radio Maintenance Technician School Curriculum (8-11-71).

Provides information on curriculum subjects for persons desiring to establish radio maintenance technician training courses.

140-6 The Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation (SFAR) 36 (3-20-78).

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 approved by the Administrator in accordance with the requirements of SFAR 36.

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.

143-1E Ground Instructor Written Test Guide--Basic & Advanced (1-24-77).

Outlines the scope of basic knowledge requirements for a ground instructor; outlines source material to obtain this knowledge; presents a sample test with answers and explanations. (\$2.00 Supt. Docs.) SN 050-007-00382-0.

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. (\$1.40 Supt. Docs.) SN 050-007-00378-5.

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 (3-12-77).

Explains how to obtain a repair station certificate.

147-2S Directory of FAA Certificated Aviation Maintenance Technician Schools (5-5-78).

Provides a revised directory of all FAA certificated aviation maintenance technician schools as of March 1978.

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.

149-2J Listing of Federal Aviation Administration Certificated Parachute Lofts (4-21-78).

Provides a revised listing of all FAA certificated parachute lofts as of Jan. 31, 1978.

Airports

SUBJECT No. 150

AIRPORT PLANNING

150/5000-3D Address List for Regional Airports Divisions and Airport District Offices (10-18-77).

Transmits the address list for all regional Airports Divisions and Airport District Offices.

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 (7-8-83).

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.

150/5060-4 Announcement of Availability--Federal Aviation Administration Technical Reports on Airport Capacity and Aircraft Delay (4-29-77).

Announces the availability of Federal Aviation Administration technical reports and computer programs describing techniques for determining airport capacity and aircraft delay. Provides ordering information.

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 050-008-00008-7.

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. (\$3.00 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 CH 1 (11-28-69).

Transmits revised pages to subject advisory circular.

150/5100-6A Labor Requirements for Airport Development Aid Program (ADAP) Contracts (1-31-73).

Covers the basic labor requirements for the Airport Development Aid Program.

150/5100-6A CH 1 (3-16-73).

Transmits a revision to delete page 3-1 from subject Advisory Circular.

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 March 1977 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 (2-10-75).

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.

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 CH 1 (1-21-74).

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

150/5150-2A CH 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.

150/5200-11 Airport Terminals and the Physically Handicapped (11-27-68).

Discusses the problems of the physically handicapped air traveler and suggests features that can be incorporated in modification or new construction of airport terminal buildings.

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 fire-fighting 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.

150/5200-15A Availability of the International Fire Service Training Association's (IFSTA) Aircraft Fire Protection and Rescue Procedures Manual (5-4-77).

Announces the availability of the subject manual.

150/5200-16 Announcement of Report AS-71-1 "Minimum Needs for Airport Fire Fighting and Rescue Services" Dated January 1971 (4-13-71).

Announces the availability of the subject report and describes how to get it.

150/5200-17 Emergency Plan (2-5-72). (Consolidated reprint incorporates Ch 1.)

Contains guidance material for airport management to use in developing an emergency plan at civil airports.

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

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

150/5200-19 Availability of Report No. FAA-RD-71-20 "An Analysis of Airport Snow Removal and Ice Control" dated March 1971 (11-23-71).

Announces the availability of subject report.

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 CH 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 CH 2 (7-11-78).

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

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.

150/5210-8 Aircraft Firefighting and Rescue Personnel and Personnel Clothing (1-13-67).

Provides guidance concerning the manning of aircraft fire and rescue trucks, the physical qualifications that personnel assigned to these trucks should meet, and the protective clothing with which they should be equipped.

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.

150/5210-11 Response to Aircraft Emergencies (4-15-69).

Informs airport operators and others of an existing need for reducing aircraft firefighting response time, and outlines a uniform response time goal of 2 minutes within aircraft operational areas on airports.

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.

150/5220-1 Guide Specification for a Light-Weight Airport Fire and Rescue Truck (7-24-64).

Describes a vehicle with performance capabilities considered as minimum for an acceptable light rescue truck.

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.

150/5230-3 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).

Identified 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

150/5300-2C Airport Designs Standards—Site Requirements for Terminal Navigational Facilities (9-21-73). Consolidated reprint 1976 includes Change 1.

Provides information regarding the relative location and siting requirements for the terminal navigation facilities located on or close to an airport.

150/5300-4B Utility Airports—Air Access to National Transportation (6-24-75). Consolidated reprint incorporates ch. 1.

Establishes design standards for utility airports which are constructed for and intended to be used by propeller-driven aircraft of 12,500 pounds maximum gross weight or less.

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

Provides updated information for the basic publication.

150/5300-5 Airport Reference Point (9-26-68).

Defines and presents the method for calculating an airport reference point.

150/5300-6 Airport Design Standards, General Aviation Airports, Basic and General Transport (7-14-69). Consolidated Reprint August 1975 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 CH 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 CH 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. (\$1.80 Supt. Docs.) SN 050-007-00149-5.

150/5320-6B Airport Pavement Design and Evaluation (5-23-74). Consolidated reprint 1976 includes change 1.

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

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 CH 1 (11-13-74).

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 1975 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 May 1974. 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 1977 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 CH 12 (7-27-77).

150/5325-4 CH 13 (3-13-78).

150/5325-5B Aircraft Data (7-30-75). Consolidated reprint 1976 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.

150/5325-8 Compass Calibration Pad (5-8-69).

Provides guidelines for the design, location on the airport, and construction of a compass calibration pad, and basic information concerning its use in determining the deviation error in an aircraft magnetic compass.

150/5335-1A Airport Design Standards—Airports Served by Air Carriers—Taxiways (5-15-70). 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.

150/5335-2 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 Carriers—Bridges and Tunnels on Airports (4-19-71). Consolidated reprint June 1977 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 CH 1 (6-14-76).

150/5340-1D Marking of Paved Areas on Airports (1-19-73).

Describes standards for marking serviceable runways and taxiways as well as deceptive, closed, and hazardous areas on airports.

150/5340-4C Installation Details for Runway Centerline and Touchdown Zone Lighting Systems (5-6-75). Consolidated March 1977 includes Change 1.

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

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 March 1977 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).

150/5340-18 Taxiway Guidance System (9-27-68).

Describes the recommended standards for design, installation, and maintenance 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 August 1977 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 CH 1 Runway and Taxiway Edge Lighting System (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 CH 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 CH 3 (2-24-78).

150/5345-2 Specification for L-810 Obstruction Light (11-4-63). Consolidated reprint June 1977 includes Change 1.

Required for FAAP project activity.

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.

150/5345-4 Specification for L-829 Internally Lighted Airport Taxi Guidance Sign (10-15-63). Consolidated reprint June 1977 includes Change 1.

Required for FAAP project activity.

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.

150/5345-10C Specification for L-828 Constant Current Regulators (10-22-71).

Describes the subject specification requirements and is published by the Federal Aviation Administration for the guidance of the public.

150/5345-11 Specification for L-812 Static Indoor Type Constant Current Regulator Assembly, 4 kW and 7½ kW, With Brightness Control for Remote Operations (3-2-64).

Required for FAAP project activity.

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.

150/5345-18 Specification for L-811 Static Indoor Type Constant Current Regulator Assembly, 4 kW; With Brightness Control and Runway Selection for Direct Operation (3-3-64). Consolidated reprint Sept. 1974 includes Change 1.

Required for FAAP project activity.

150/5345-21 Specification for L-813 Static Indoor Type Constant Current Regulator Assembly; 4 kW and 7½ kW; for Remote Operation of Taxiway Lights (7-28-64).

Describes the subject specification requirements.

150/5345-26A Specification for L-823 Plug and Receptacle, Cable Connectors (5-4-71). Consolidated reprint June 1977 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 housing and junction boxes for the guidance of the public.

150/5345-42A Ch 1 (11-14-75).

150/5345-43B FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems (11-1-73).

Contains equipment specifications for high intensity obstruction lighting systems.

150/5345-44A Specification for L-858 Retroreflective Taxiway Guidance Signs (7-20-71).

Describes the specification for retroreflective taxiway guidance signs.

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 ch. 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.

150/5345-47 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 Ch 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.

150/5355-1A 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 for 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.

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

150/5370-5A Offshore Airports (2-21-75).

Announces to the public the availability of a two-volume report on offshore airport planning and construction methods and how to obtain the report.

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 CH 1 (5-31-77).

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 non-destructive testing devices as aids in the evaluation of the load-carrying capacity of airport 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.

PLANNING GRANT PROGRAM

150/5900-1A The Planning Grant Program for Airports (9-26-74).

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

170-3B Distance Measuring Equipment (DME) (11-8-65).

Presents information on DME and some of its uses to pilots unfamiliar with this navigational aid.

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.

170-8 Use of Common Frequencies for Instrument Landing Systems Located on Opposite Ends of the Same Runway (11-7-66).

In the future, common frequencies may be assigned to like components of two instrument landing systems serving opposite ends of the same runway. This will include the localizers, glide slopes, and associated outer and middle marker compass locators (LOM and LMM).

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

183-30C FAA Designated Mechanic Examiners Directory (5-11-78).

Provides a revised directory of all FAA designated mechanic examiners as of Mar. 31, 1978.

183-31D FAA Designated Parachute Rigger Examiner Directory (4-21-78).

Provides a new directory of all FAA designated parachute rigger examiners as of Jan. 31, 1978.

183.29-1K Designated Engineering Representatives (7-1-77).

Lists FAA-approved Designated Engineering Representatives who are available for consulting work.

Flight Information

SUBJECT No. 210

210-1A National Notice to Airmen System (12-10-75).

Announces FAA policy for the preparation and issuance of essential flight information to pilots and other aviation interests.

210-3 National Notice to Airmen System—Elimination of NOTAM Code (5-22-70).

Announces changes in criteria and procedures for the Notice to Airmen System required to accommodate the transmission of all domestic Notice to Airmen data in clear contracted language and eliminate use of the NOTAM code on the domestic service A circuits.

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 7030.1A.

210-5 Military Flying Activities (9-23-77).

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.

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) Written Test Guide, AC 61-18.

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 Helicopter Handbook, AC 61-13.

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 Written Test Guide, AC 63-1.

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 61-80.
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.
General Aviation Inspection Aids, Summary, AC 20-7.
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.
Hellport Design Guide, AC 150/5390-1.
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 150/5050-8.
Private and Commercial Pilot, Flight Test Guide, AC 61-59.
Private and Commercial Pilot Gilder, Flight Test Guide, AC 61-61.
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) Flight Training Guide, AC 61-2.
Private Pilot Written Test Guide, AC 61-32.
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.
U.S. Civil Aircraft Register, AC 20-6.
Written Test Guide, Flight Instructor—Gilder, AC 61-75.
Written Test Guide, Flight Instructor—Rotorcraft-Helicopter, AC 61-74.
Written Test Guide—Airplane—Flight Instructor, AC 61-72.
Written Test Guide—Airplane—Commercial Pilot, AC 61-71.

Internal Publications

Contractions Handbook, 7340.1F (2-1-78).

Gives approved word and phrase contractions used by personnel connected with air traffic control, communications, weather, charting, and associated services. (Sub. \$12.00-\$15.00 foreign—Supt. Docs.) SN 050-010-90084-2.

Location Identifiers, 7350.4M (1-15-78).

Incorporates all authorized 3-letter location identifiers for special use in United States, worldwide, and Canadian assignments. (Sub. \$18.00-\$28.00 foreign—Supt. Docs.) SN 050-010-71010-1.

Air Traffic Control Handbook, 7110.65A (1-1-78).

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. \$16.00-20.00 foreign—Supt. Docs.) SN 050-007-91609-4.

Flight Services, 7110.10D (1-1-77).

This handbook consists of two parts. Part I, the basic, prescribes procedures and phraseology for use by personnel providing flight assistance and communications services. Part II, the teletypewriter portion, includes Services A and B teletypewriter operating procedures, pertinent International Teletypewriter Procedures, and the continuous U.S. Service A Weather Schedules. (Sub. \$18.30-\$22.90 foreign—Supt. Docs.) SN 050-010-90059-8.

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. (\$2.80 single copy. Supt. Docs.) (Changes sold separately as issued.) SN 050-007-00345-5.

International Flight Information Manual, Vol. 26 (April 1978).

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 Notams 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; \$11.25 foreign—Supt. Docs.) TD 4.809:24/976.

International Notams.

Covers notices on navigational facilities and information on associated aeronautical data generally classified as "Special Notices." Acts as a notice-to-airmen service only. Published weekly. (Annual Sub. \$28.10 domestic—\$35.15 foreign—Supt. Docs.) TD 4.11.

Airman's Information Manual:

**Part 1—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, foreign \$6.25. Supt. Docs.) TD 4.12: pt. 1/.

NOTICE

Termination of AIM Parts 2 and 3

The FAA has terminated publication of Part 2, "Airport Directory" and Part 3, "Operational Data and Special Notices" effective May 18, 1978. This information is now contained in a new geographical-oriented, seven-volume issuance titled "Airport/Facility Directory" (AFD), produced and sold by the National Ocean Survey. Subscribers were notified of this changeover by the Superintendent of Documents. Prospective subscribers wishing information on the new ADF should write to:

Distribution Division,
National Ocean Survey,
Riverdale, MD 20840

This termination of Parts 2 and 3 in no way affects the issuance of Parts 1, 3A, and 4 of the AIM, except that Part 3A will carry only the title "Notices to Airmen", and not "3A Notices to Airmen." Parts 1 and 4 and Notices to Airmen will continue to be sold through the Superintendent of Documents on subscription basis.

Notices to Airmen

Issued every 14 days and contains current Notices to Airmen considered essential to the safety of flight as well as supplemental data to all Parts of AIM. (Annual subscription \$26.00; \$32.50 foreign. Supt. Docs.) TD 4.12: Pt. 3A.

**Part 4—Graphic Notices and
Supplemental Data.**

Part 4 is issued quarterly and contains abbreviations used in all parts of AIM; 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. \$14.40, foreign \$18.00. Supt. Docs.) TD 4.12: pt. 4/.

Type Certificate Data Sheets and Specifications

- Vol. I Single Engine Airplanes (TCDS 1) (Sub. \$88.00, foreign \$47.50. Supt. Docs.).
- Vol. II Small Multiengine Airplanes (TCDS 2) (Sub. \$28.00, foreign \$35.00. Supt. Docs.).

- Vol. III Large Multiengine Airplanes (TCDS 3) (Sub. \$82.00, foreign \$40.00. Supt. Docs.).
- Vol. IV Rotorcraft, Gliders, and Balloons (TCDS 4) (Sub. \$16.50, foreign \$20.75. Supt. Docs.).
- Vol. V Aircraft Engines and Propellers (TCDS 5) (Sub. \$27.00, foreign \$33.75. Supt. Docs.).
- Vol. VI Aircraft Listing and Aircraft Engine and Propeller Listing (SN 050-007-00360-0) (Single Copy \$4.15, foreign \$5.20. Supt. Docs.).

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

Volume VI will be sold on a single-sales basis and will be issued as a revised edition when sufficient changes warrant.

**Summary of Supplemental Type
Certificates, January 1978**

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. (\$43.00—Sub., foreign \$54.00. Supt. Docs.) TD 4.36:076.

NOTICE

The January 1978 issues of the Summary of Airworthiness Directives—Volumes I and II, will be 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: ACC-23, Oklahoma City, Okla. 73125.

Subscription service will consist 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 (1-1-78) Volume I.**

Presents, in volume form, all the Airworthiness Directives for small aircraft issued through December 31, 1977. AD's for engines, propeller, and equipment are included in each volume. Each volume is arranged alphabetically by product manufacturer. (\$12.50 plus \$3.15 additional for foreign handling.) SN 050-007-00425-7.

**Summary of Airworthiness Directives for
Large Aircraft (1-1-78) Volume II.**

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. (\$10.75 plus \$2.70 additional for foreign handling.) SN 050-007-00426-5.