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FAA PUBLICATIONS



April 1966

FEDERAL AVIATION AGENCY

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NOTE

Please include a preaddressed label when requesting free advisory circulars from FAA.

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Airports

ADMINISTRATION BUILDINGS FOR GENERAL AVIATION AIRPORTS. AC 150/5365-1. (25¢—GPO)

The information in this booklet is helpful in working out a realistic relationship between airport activity and requirements for general aviation administration buildings, types and locations. It also deals with the architectural requirements and contains design and planning criteria to aid in satisfying specific local problems.

*** AIRPORT DRAINAGE. AC 150/5320-5A. 1966. (45¢—GPO)**

Provides guidance for airport managers, engineers, and the public in the design and maintenance of airport drainage systems.

AIRPORT EMERGENCY PLANNING. AC 150/5210-1. 8/15/63. (Free—FAA)

This Advisory Circular presents general guidance for airport emergency operations planning and is limited to principles which will serve as a guide to writing an adequate emergency plan.

AIRPORT PAVING. AC 150/5320-6. June 1964. (Free—FAA)

Provides a guide for engineers for use in designing pavements for civil airports and contains all essential data required to comply with FAA standards.

AIRPORT PLANNING GUIDES.

These guides are for use in planning and developing airports. Numbers 1 and 3 are out of print; only the following are available:

Item No. 2 Longest Airline Nonstop Flights for Use in the Preparation of the National Airport Plan. (Free—FAA)

Item No. 4 Economic Planning for General Aviation Airports. December 1960. (Free—FAA)

AIRPORT TERMINAL BUILDINGS. September 1960. (55¢—GPO)

This guide is intended to assist airport developers, architects, and engineers in planning airport terminal

buildings and associated facilities to meet current and expanding demands. Featured are discussions and recommendations on building space relationships, area requirements, noise control within the building, and building area planning.

FEDERAL-AID AIRPORT PROGRAM—LABOR STANDARDS AND ENFORCEMENT PROCEDURES. Revised April 1962. (Free—FAA)

Provides the basic requirements and procedures for administering the labor and wage provisions applicable to the Federal-aid Airport Program. It is intended primarily for the guidance of those public agencies sponsoring projects under the program and the contractors engaged in work under a project.

HELIPORT DESIGN GUIDE. November 1964. AC 150/5390-1. (Free—FAA)

Presents advisory information on the preparation and construction of heliports to assist public and private groups understand the need for heliport development. It outlines the basic physical, technical, and public interest factors which should be considered in establishing heliport sites.

INFORMATION ON FEDERAL-AID AIRPORT PROGRAM (FAAP). April 15, 1965. AC 150/5100-1. (Free—FAA)

Provides information on the type of airport projects eligible for consideration, how and to whom to apply, and the dimensional standards for airports.

NATIONAL AIRPORT PLAN. Fiscal Years 1966-1970. (\$1.25—GPO)

Forecasts the requirements to meet the need of civil aviation. Listed are the new airports and improvements to existing airports by States.

NATIONAL CAPITAL AIRPORTS. Fiscal Year 1965. (Free—FAA)

This is the annual report for the fiscal year ending June 30, 1965 of the operation of Washington National and Dulles International Airports in Washington, D.C.

* **PLANNING THE AIRPORT INDUSTRIAL PARK.** AC 150/5070-3. September 30, 1965. (Free—FAA)

Provides guidance to communities, airport boards, and industrial developers for the planning and development of Airport Industrial Parks.

RADIATION SAFETY FOR CIVIL AIRPORTS. AC 150/5240-6A. Revised 1965. (30¢—GPO)

Provides civil airport management, safety personnel, and the general public with basic information on the

fundamentals of radiation and the technical criteria needed to cope with emergencies involving radioactive materials or nuclear weapons on aircraft in event of an accident on or near an airport.

STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS. AC 150/5370-1. June 1959. (\$2.75—GPO)

Supplement #2. 1964. AC 150/5370-1 CH1. (35¢—GPO)

Contains specifications for the construction of airports and airparks in the U.S. and its possessions. Items covered are clearing and grubbing, grading, drainage, paving, lighting, turfing, and incidental construction items. This edition supersedes the January 1948 issue and its supplements.

*** TWENTIETH ANNUAL REPORT OF OPERATIONS UNDER THE FEDERAL AIRPORT ACT. Fiscal Year 1965. (Free—FAA)**

This report is prepared in accordance with Section 18 of the Federal Airport Act, which requires that the Administrator of the FAA submit to the Congress an annual report of operations during the preceding fiscal year.

VFR AIRPORTS. AC 150/5300-1. March 1963. (Free—FAA)

Gives FAA minimum standards for VFR airports to serve small aircraft operating under visual flight rules. CHANGE 1, dated 2/13/64, provides amended information for the basic publication. CHANGE 2, dated 7/15/64, provides additional guidance on FAA policy in regard to the application of criteria, and incorporates additional aircraft performance curves and dimensional data.

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Summarizes IFR and VFR terminal and enroute air traffic activity for air carrier, general aviation, and military flying, from a 2% sample of flight plans filed at FAA flight service stations and combined station/towers. This is the first report of its kind.

AIRPORT ACTIVITY STATISTICS OF CERTIFICATED ROUTE AIR CARRIERS. 12 Months Ended June 1965. (2.00—GPO)

Provides the air-transport industry and the public with basic statistics relating to the passenger, freight, express, and mail traffic at each of the many airports served by U.S. airlines. This publication is issued jointly by the Civil Aeronautics Board and the FAA, and is a combination of the former "Air Commerce Traffic Pattern" by FAA and the "Airport Activity Statistics of Certificated Route Air Carriers" of the CAB. Future issues will cover 12-month periods ending June 30 and December 31 of each year.

*** CENSUS OF U. S. CIVIL AIRCRAFT AS OF December 31, 1964. May 1965. (1.00—GPO)**

This is a combination of two former annual reports, "Statistical Study of U.S. Civil Aircraft" and "U.S. Active Civil Aircraft by State and County". In most instances, the two groups of data have been kept separate to provide detail for more comprehensive utilization of the data. Comparisons have been made wherever possible.

ENROUTE IFR AIR TRAFFIC RELATIONSHIPS. Fiscal Year 1964. (Free—FAA)

Shows enroute IFR air traffic relationships for 22 conterminous U.S. centers that may be used in esti-

mating the maximum number of aircraft handled within a center during peak and busy periods.

ENROUTE IFR AIR TRAFFIC SURVEY—PEAK DAY. Fiscal Year 1965. (Free—FAA)

Summarizes and analyzes peak day data for each center and terminal facility reporting IFR departures, and shows altitudes and departure times by user and type of aircraft. Includes pairs of communities with 10 or more flights between them and the number of such flights.

FAA AIR TRAFFIC ACTIVITY. Calendar Year 1965. (\$1.25—GPO)

Presents data on air traffic activity of the FAA Airways System as measured by fix postings, departures, and overs; aircraft operations; instrument approaches; aircraft contacted and flight plans originated; and intermediate field landings. This report is issued twice a year and presents terminal and en-route air traffic data on either a fiscal or a calendar year basis.

FAA STATISTICAL HANDBOOK OF AVIATION—1965 Edition. (\$1.00—GPO)

Official statistics on principal aviation activities, including air carrier and general aviation operations, airmen, and aircraft certification figures; airways, airport, and accident data.

GENERAL AVIATION AIRCRAFT OWNERS SURVEY—1962. June 1964. (Free—FAA)

Presents results of the 1962 sample survey of general aviation activities to provide statistics and comparisons on hours flown by type of flying, type of ownership, radio and other navigation equipment, cross-country flying, average occupancy, aircraft used, etc.

GENERAL AVIATION AIRCRAFT RADIO EQUIPMENT—1962. September 1964. (Free—FAA)

This report concerns the number of general aviation aircraft equipped with communication and navigation aids, by various type of aid and by type of aircraft. Information is derived from a sample survey of general aviation aircraft.

*** TERMINAL LOCATIONS FOR PLANNING PURPOSES. Calendar Year 1964. April 1965. (Free—FAA)**

This report provides basic air traffic activity information on airports not served by an FAA air traffic control tower but which have sufficient air traffic activity to qualify them as potential candidates for ATC services or navigational aids.

Examination Guides

AIRFRAME AND POWERPLANT MECHANICS EXAMINATION GUIDE. AC 65-2. Revised 1963. (30¢—GPO)

This guide is to assist applicants to prepare for the A&P mechanic examinations and contains information about requirements, applications, and the examinations. Included is a list of recommended study material and sample questions.

AIRLINE TRANSPORT PILOT (AIRPLANE) EXAMINATION GUIDE. AC 61-18A. Revised 1966 (35¢—GPO)

This guide describes the scope of the written examination and lists appropriate references for study, and includes those portions of the Federal Aviation Regulations that specify eligibility and knowledge requirements.

AIRLINE TRANSPORT PILOT (HELICOPTER) WRITTEN EXAMINATION GUIDE. 1962. (30¢— GPO)

This guide describes the scope of the written examination and provides a list of recommended study material. Included are the eligibility requirements for the ATR helicopter rating.

*** AIRPLANE FLIGHT INSTRUCTOR EXAMINATION GUIDE. AC 61-11. Revised 1965. (45¢—GPO)**

Provides information to prospective airplane flight instructors on certification requirements, application procedures, and reference study materials. Includes a sample examination with explanation of the correct answers.

COMMERCIAL PILOT EXAMINATION GUIDE. AC 61-28. 1966. (75¢—GPO)

This guide is intended to define the scope of the written examination and to narrow the field for study to the basic knowledges requisite to the Commercial Pilot Rating. A list of suggested study material is included in addition to a study outline and sample examination.

FLIGHT TEST GUIDES.

This is a series of study guides being issued by the FAA covering type ratings, private pilot, commercial pilot, and instrument rating examinations. To date, the series consists of the following:

Multiengine Airplane Class or Type Rating. AC 61-4. (15¢—GPO)

Private Pilot—Airplane, Single-Engine. AC 61-3. (15¢—GPO)

Commercial Pilot—Airplane, Single-Engine. AC 61.117-1A. (10¢—GPO)

Instrument Pilot—Airplane. AC 61-17. (10¢—GPO)

Helicopter—Private and Commercial Pilot. AC 61-25. 1965. (10¢—GPO)

Gyroplane—Private Pilot. (15¢—GPO)

Gyroplane—Commercial Pilot. (15¢—GPO)

Flight Instructor Practical Test Guide. AC 61-14. (10¢—GPO)

Glider—Private and Commercial Pilot. (15¢—GPO)

INSTRUMENT FLIGHT INSTRUCTOR EXAMINATION GUIDE. March 1962. (35¢—GPO)

This study guide outlines the scope of the examination, which is in two sections, "Fundamentals of Instructing" and "Analysis and Performance of Instrument Maneuvers and Procedures." The guide also lists appropriate references for study to help the applicant successfully pass the examination for certification as an instrument flight instructor.

INSTRUMENT PILOT EXAMINATION GUIDE. 1964. AC 61-8. (40¢—GPO)

This guide points out the subject areas covered in the examination for instrument rating, and suggests to the student the phases of aviation knowledge in which he should be well informed. Includes sample examination questions and answers, and discusses the requirements for the rating in detail. This guide supersedes the July 1961 edition.

GROUND INSTRUCTOR—INSTRUMENT—WRITTEN EXAMINATION GUIDE. AC 143-2. 1965. (50¢—GPO)

Points out the subject areas covered in the examination and suggests to the student the phases of aeronautical knowledge most needed to provide a sound background in this field. Includes a list of recommended study material and a sample examination.

PILOT TRANSITION COURSES FOR COMPLEX SINGLE-ENGINE AND LIGHT TWIN-ENGINE AIRPLANES. May 1964. AC 61-9. (15¢—GPO)

This publication is offered as a guide to the procedures and standards to be followed for a thorough and

comprehensive checkout in the more complex or more modern light twin-engine airplanes.

REFRESHER COURSES FOR PRIVATE AND COMMERCIAL PILOTS. 1964. AC 61-10. (15¢—GPO)

Presents the scope, coverage and syllabus of refresher courses for pilots holding at least private pilot certificates and for pilots with instrument ratings to update their piloting skills.

* * * *

The following study guides have been issued as **ADVISORY CIRCULARS** and are available free to qualified applicants from the FAA:

AC 61-5 Helicopter Pilot Examination Guide—Private, Commercial and Instructor. November 1963.

AC 61-8A Glider Pilot Examination Guide—Private, Commercial and Flight Instructor. 1965.

AC 61-7 Military Pilot Examination Guide. December 1963.

Training Manuals

* **ACCEPTABLE METHODS, TECHNIQUES, AND PRACTICES—AIRCRAFT ALTERATIONS.** AC 43.13-2. 1965. (\$1.00 domestic; \$1.25 foreign—GPO)

Presents in detail the technical data for installing radios, antennas, anti-collision lights, skis, and oxygen systems in aircraft. This Advisory Circular and AC 43.13-1 replace CAM-18.

* **ACCEPTABLE METHODS, TECHNIQUES, AND PRACTICES—AIRCRAFT INSPECTION AND REPAIR.** AC 43.13-1. 1965. (\$1.50 domestic; \$2.00 foreign—GPO)

Presents in detail the technical data to be followed by mechanics in the maintaining, altering, and performing preventive maintenance on aircraft. This Circular and AC 43.13-2 replace CAM-18.

AVIATION WEATHER. 1965. AC 00-6. (\$2.25—GPO)

This joint FAA/Weather Bureau publication supersedes and replaces "Pilot's Weather Handbook, TM-104," and provides an up-to-date and expanded text for pilots and flight operations personnel. Gives the pilot a practical understanding of those meteorological principles important to aviation and essential to his effective use of current and forecast weather information.

BASIC GLIDER CRITERIA HANDBOOK. 1962. (75¢—GPO)

Provides individual glider designers, the glider industry, and glider operating organizations with guidance material that augments the FAA glider airworthiness certification standards.

* **BASIC HELICOPTER HANDBOOK.** AC 61-13. January 1966. (75¢—GPO)

Provides detailed information on helicopter aerodynamics, performance, and flight maneuvers to applicants preparing for private, commercial and flight instructor pilot certificates with helicopter ratings. Also useful to helicopter flight instructors in training students.

**FACTS OF FLIGHT. AC 00-4. Revised May 1963.
(50¢—GPO)**

This booklet explains in nontechnical language why an airplane flies, effect of the controls, stalls and spins, facts about airplane structure and engine operation, and proper technique in takeoff, cruising, and landing.

**FLIGHT INSTRUCTOR'S HANDBOOK. 1964. AC
61-16. (60¢—GPO)**

This handbook has been prepared for the information and guidance of pilots preparing to apply for flight instructor certificates and for use as a reference by certificated flight instructors. It supersedes Civil Aeronautics Administration Technical Manual 105, "Flight Instructors' Handbook," dated January 1956.

*** FLIGHT TRAINING HANDBOOK. AC 61-21.
January 1966. (70¢—GPO)**

Provides information and direction in the introduction and performance of training maneuvers for student pilots, pilots requalifying or preparing for additional ratings, and flight instructors.

**PATH OF FLIGHT. AC 00-5. Revised February 1963.
(70¢—GPO)**

Contains practical information about navigation of aircraft, radio communication, radio aids and flight planning.

PERSONAL AIRCRAFT INSPECTION HANDBOOK. Revised 1964. AC 20-9. (50¢—GPO)

Provides a general guide for inspection of aircraft: Part I deals with the fundamentals of inspection, and Part II covers typical inspection in detail. As reliable inspection comes only with experience, it is emphasized that the use of this handbook by the novice does not qualify him to make final determinations regarding the airworthiness of the aircraft. This Handbook supersedes TM-101 dated 1950.

**PLANE SENSE. General Aviation Information.
AC 20-5. Revised 1963. (Free—FAA)**

This booklet is to acquaint the prospective pilot and airplane owner with some fundamentals of owning and operating an airplane.

**PRIVATE PILOT (AIRPLANE) FLIGHT TRAINING
GUIDE. 1964. AC 61-2A. (\$1.00—GPO)**

This Guide is to assist flight instructors in planning the flight training of primary students. It is primarily for the use of instructors who do not operate under a curriculum offered by a certified flying school. The Guide is not intended for a study guide for either flight instructors or student pilots.

PRIVATE PILOTS HANDBOOK OF AERONAUTICAL KNOWLEDGE. AC 61-23. Revised 1965. (\$2.75—GPO)

This handbook contains essential, authoritative information used in training and guiding private pilots, and covers all subject areas in which an applicant may be tested. Tells how to use the Airman's Information Manual, data in FAA approved airplane flight manuals and basic instruments for airplane attitude control. (This revised edition is now being printed.)

REALM OF FLIGHT. AC 00-3. Revised 1963. (75¢—GPO)

A condensed elementary text on weather characteristics written for the private pilot. Many color illustrations are included to describe atmospheric pressure, clouds, winds, fronts, etc.

STUDENT PILOT GUIDE. AC 61-12A. October 1965. (15¢—GPO)

This guide presents, in a "how to go about it" fashion, general procedures for obtaining a student and private pilot certificate. It answers questions on pilot requirements, training, study material, examinations, flight tests, and lists the addresses of the FAA General Aviation District Offices.

*** WAKE TURBULENCE. AC 90-23A December 21, 1965. (Free—FAA)**

Presents information on the subject of wake turbulence and suggests techniques that may help pilots avoid the hazards associated with wing tip vortex turbulence.

Flight Information

AIRMAN'S INFORMATION MANUAL.

This publication presents, in three Parts, information necessary for the planning and conduct of flights in the U.S. airway system. Besides providing frequently updated airport and navigational data, the AIM includes instructional and procedural information, and is designed for use in the cockpit.

The new format, effective with the May 26, 1966 issue, makes each Part available on a separate annual subscription to better serve the needs of the individual pilot.

PART 1—BASIC FLIGHT MANUAL AND ATC PROCEDURES. May 1966. (\$2.00 domestic; \$2.50 foreign—GPO):

Combines the former Sections I and II and will be issued quarterly.

PART 2—AIRPORT DIRECTORY. May 1966. (\$2.00 domestic; \$2.50 foreign—GPO):

This is a revised version of former Section IV expanded to include the physical description of those airports formerly shown only in Section IV-A. Will be issued semiannually.

PART 3—OPERATIONAL DATA AND NOTICES TO AIRMEN. May 26, 1966. (\$9.00 domestic; \$11.25 foreign—GPO):

Presents former Sections III, III-A and IV-A every 28 days, supplemented by Section III-A (NOTICES TO AIRMEN) every 14 days midway of the 28 day cycle.

ALASKA AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Subscription: \$9.00 first class mail; \$11.00 air mail. Single copy: 50¢—C&GS)

PACIFIC AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Subscription: \$5.75 first class mail; \$7.50 air mail. Single copy 50¢—C&GS)

Each of these Guides, published every 28 days, contains a Radar-Radio Listing, Directory of Airports and Seaplane Bases, Special Notices, Emergency Search and Rescue Procedures. Copies of each may be purchased by subscription and/or single copy non-

MIL-HNDK-23 - Composite Construction for Flight Vehicles:

Part III—Design Procedures.
October 1962. (55¢—GPO)

**A CITIZEN'S GUIDE TO AIRCRAFT NOISE. 1963.
(25¢—GPO)**

In this booklet we attempt to show why airplanes make noise, why the jets fly over your house, why night flights are necessary and to describe what has been and can be done to quiet them.

APPLICATION OF GLASS FIBER LAMINATES IN AIRCRAFT. 1964. AC 20-21. (35¢—GPO)

This book discusses the past and present uses of glass reinforced plastics, its engineering properties, designing with glass reinforced plastics and manufacturing aircraft parts of this material. Also includes information to be included in process specifications for structural glass fiber base plastic laminate and sandwich construction parts, with halftones and drawings to assist the technical explanations.

**CONTRACTIONS. AT P-7340.1A. March 15, 1963.
(75¢—GPO)**

This handbook contains the approved word and phrase contractions used by personnel of FAA and other agencies that provide air traffic control, communications, weather, charting and associated services. Subscription consists of the basic manual, subject dividers, and page revisions issued quarterly.

**DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. First Edition. June 30, 1962.
(\$2.50—GPO)**

This status report presents a preliminary system design for airspace utilization involving the safe and efficient use of air vehicles to implement the Project Beacon Report. It introduces a forecast of traffic patterns through 1975 and outlines a spectrum of services appropriate to the various users.

**DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. Summary of First Edition.
(45¢—GPO)**

This summary describes all essential elements of the long-range plan for the National Airspace Utilization System.

*** EXPORT AIRWORTHINESS APPROVAL PROCEDURES. AC 21-2. July 16, 1965. (Free—FAA)**

Provides guidance to the public for the issuance of export airworthiness approvals for aeronautical pro-

ducts to be exported from the U.S. Includes special requirements of 19 foreign countries. This AC supersedes Aviation Safety Manual of Procedures Chapter 2-4, Export and Import of Aeronautical Products," dated June 1, 1953 and all amendments thereto.

FAA AVIATION NEWS. (Annual subscription: \$1.50 domestic; \$2.00 foreign. Single copy: 15¢)

Published monthly in the interest of aviation safety to acquaint readers with the policies and programs of the FAA. Back issues are available as long as stock lasts.

THE FEDERAL AVIATION AGENCY. September 1964. (25¢—GPO)

This pamphlet describes the FAA—its operations, responsibilities, aims, history and organization. In addition to discussing aircraft, airmen, airways, airports and air traffic control, it presents the highlights of aviation medicine, communications, international aviation, research and development, the FAA Aeronautical Center and the National Aviation Facilities Experimental Center.

* **SEVENTH ANNUAL REPORT OF THE FEDERAL AVIATION AGENCY 1964.** (45¢—GPO)

This is the Administrator's report to the President and the Congress on activities of the Agency in accordance with Section 313(e) of the Federal Aviation Act of 1958.

GENERAL AVIATION INSPECTION AIDS SUMMARY. AC 20-7B. August 1965. (\$1.50 domestic; \$2.00 foreign—GPO)

The inspection aids, compiled from reports of aircraft and component service difficulties, are for the use of operators, mechanics, repair stations and other engaged in the operation, inspection, and maintenance of general aircraft. Subscription consists of the Summary and eleven monthly supplements.

GLOSSARY OF AIR TRAFFIC CONTROL TERMS. (Free—FAA)

This booklet defines some of the terms in air traffic control, especially words most frequently used in air-ground communications.

GUIDE TO DRUG HAZARDS IN AVIATION MEDICINE. 1962. (55¢—GPO)

This is a handbook on the effect of the use of drugs in aviation to guide medical examiners and others interested in determining the cause of symptoms produced by drugs upon individual airmen.

Aircraft Engine & Propeller Specifications & Type Certificate Data Sheets. (\$8.00 domestic; \$10.00 foreign. Renewal subscription \$2.00 domestic; \$2.25 foreign—GPO)

SUMMARY OF AIRWORTHINESS DIRECTIVES FOR SMALL AIRCRAFT. January 1, 1965. Volume I. (\$3.00 domestic; \$4.00 foreign—GPO)

SUMMARY OF AIRWORTHINESS DIRECTIVES FOR LARGE AIRCRAFT. January 1, 1965. Volume II. (\$3.50 domestic; \$4.50 foreign—GPO)

The airworthiness directives are now summarized in two volumes, one covering small aircraft and the other large aircraft. Each volume may be purchased separately on subscription which consists of the basic volume plus annual supplements. Free mailing list service for the bi-weekly AD cards will continue to be available from the FAA *on request* as in the past.

SUMMARY OF SUPPLEMENTAL TYPE CERTIFICATES. November 1966. (\$3.00 domestic; \$4.50 foreign—GPO)

Lists all FAA supplemental type certificates which the holders have indicated will be made available to others. Subscription consists of the basic Summary and quarterly supplements for one year.

UNITED STATES CIVIL AIRCRAFT REGISTER. AC 20-8E. January 1, 1966. (\$6.00—GPO)

This is a register of active civil aircraft, listed by registration number, and showing name and address of owner, manufacturer's serial number, make, model, year of manufacture, and type of aircraft.

UNITED STATES MANUAL OF CRITERIA FOR STANDARD INSTRUMENT APPROACH PROCEDURES. Third Edition. September 1, 1956. (55¢—GPO)

This manual contains the criteria used in the preparation, approval and promulgation of instrument approach procedures within the U.S., its possessions, and at any location over which a U.S. agency exercises jurisdiction.

FAA maintains a mailing list for the free distribution of this publications booklet. Those wishing to receive future issues should address their requests to the FEDERAL AVIATION AGENCY, PRINTING BRANCH, ATTN: HQ-438, Washington, D.C. 20553

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* AIRCRAFT IN AGRICULTURE—1962. (Free—FAA)

This report includes data on agricultural operators, aircraft, pilots, acres treated, materials dispensed, and hours flown compiled from questionnaires returned by all commercial aerial applicators operating within the conterminous U.S. in 1962.

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✓ ENROUTE IFR AIR TRAFFIC RELATIONSHIPS. Fiscal Year 1964. (Free—FAA)

Shows enroute IFR air traffic relationships for 22 conterminous U.S. centers that may be used in estimating the maximum number of aircraft handled within a center during peak and busy periods.

subscription from the U.S. Coast and Geodetic Survey, E.S.S.A., Rockville, Md. 20852. Make check or money order payable to U.S. Coast and Geodetic Survey.

INTERNATIONAL FLIGHT INFORMATION MANUAL. Vol. 13. April 1965. (\$1.25—GPO)

Provides essential information to pilots in planning foreign flights. It contains a world-wide directory of airports of entry, and the normal foreign requirements for passports, visas, and health and customs data. It also contains information on special flight restrictions and regulations, foreign entry and flight requirements, North Atlantic and Pacific Ocean Station Vessels. Annual subscription consists of basic manual with supplements issued quarterly.

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Provides weekly Notices to Airmen on a world-wide basis. Covers temporary hazardous conditions, changes in facility operational data, and foreign entry procedures and regulations. Supplements the "International Flight Information Manual."

Miscellaneous

*AERONAUTICAL COMMUNICATIONS AND PILOT SERVICES. 7300.7. March 3, 1966. (\$3.25 domestic; \$4.25 foreign—GPO)

This manual prescribes uniform instructions and practices, with accompanying phraseology and examples, to be used by personnel of all FAA facilities. Subscription consists of the basic manual and quarterly supplements issued in June, September, December and March, for a two year period.

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Compiled by the staff of the Civil Aeronautics Board, this publication contains the Federal Aviation Act of 1958, Federal Airport Act, and other acts affecting civil aviation.

AIR TRAFFIC CONTROL PROCEDURES. 3rd Edition. AT P-7110.1B. November 12, 1964. (\$4.00 domestic; \$5.50 foreign—GPO)

Prescribes procedures and regulation phraseology to be used by personnel of all facilities providing air traffic control service. Subscription consists of basic manual and supplementary service.

ANC BULLETINS AND MILITARY HANDBOOKS.

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MIL-HNDK-17 -- Plastics for Flight Vehicles: Part II—Transparent Glazing Materials. August 14, 1963. (\$1.00—GPO)

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SAFETY IN CONSTRUCTION AND ALTERATION WORK. November 5, 1962. (45¢—GPO)

This handbook includes FAA's safety requirements for all construction and repair work performed for the Agency under contract. These provisions also apply to FAA personnel performing such work.

SELLING TO THE FAA. 1965. (Free—FAA)

Describes how, what and where the FAA buys, and how prospective contractors can participate in the FAA procurement program, ranging from the purchase of simple office supplies to complex research and development services. Requests for copies should be addressed to the FAA, Procurement Information Office, IM-205, Washington, D. C. 20553, or to the nearest FAA Regional Office.

SPECIFICATIONS.

The aircraft, engine and propeller specifications subscriptions are available from the Government Printing Office and consists of the basic sets plus monthly supplementary service for approximately 1 year.

Aircraft Specifications. (\$20.00 domestic; \$25.00 foreign. Renewal subscription \$7.00 domestic; \$8.25 foreign—GPO)

Airports

✓ ADMINISTRATION BUILDINGS FOR GENERAL AVIATION AIRPORTS. AC 150/5365-1. (25¢—GPO)

The information in this booklet is helpful in working out a realistic relationship between airport activity and requirements for general aviation administration buildings, types and locations. It also deals with the architectural requirements and contains design and planning criteria to aid in satisfying specific local problems.

✓ AIRPORT EMERGENCY PLANNING. AC 150/5210-1. 8/15/63. (Free—FAA)

This Advisory Circular presents general guidance for airport emergency operations planning and is limited to principles which will serve as a guide to writing an adequate emergency plan.

✓ AIRPORT PAVING. AC 150/5320-6. June 1964. (Free—FAA)

Provides a guide for engineers for use in designing pavements for civil airports and contains all essential data required to comply with FAA standards.

✓ AIRPORT PLANNING GUIDES.

These guides are for use in planning and developing airports. Numbers 1 and 3 are out of print; only the following are available:

Item No. 2 Longest Airline Nonstop Flights for Use in the Preparation of the National Airport Plan. (Free—FAA)

Item No. 4 Economic Planning for General Aviation Airports. December 1960. (Free—FAA)

✓ AIRPORT TERMINAL BUILDINGS. September 1960. (55¢—GPO)

This guide is intended to assist airport developers, architects, and engineers in planning airport terminal buildings and associated facilities to meet current and expanding demands. Featured are discussions and recommendations on building space relationships, area requirements, noise control within the building, and building area planning.

✓ **FEDERAL-AID AIRPORT PROGRAM—LABOR STANDARDS AND ENFORCEMENT PROCEDURES.** Revised April 1962. (Free—FAA)

Provides the basic requirements and procedures for administering the labor and wage provisions applicable to the Federal-aid Airport Program. It is intended primarily for the guidance of those public agencies sponsoring projects under the program and the contractors engaged in work under a project.

✓ **HELIPORT DESIGN GUIDE.** November 1964. AC 150-5390-1. (Free—FAA)

Presents advisory information on the preparation and construction of heliports to assist public and private groups understand the need for heliport development. It outlines the basic physical, technical, and public interest factors which should be considered in establishing heliport sites.

✓ **INFORMATION ON FEDERAL-AID AIRPORT PROGRAM (FAAP).** April 15, 1965. AC 150/5100-1. (Free—FAA)

Provides information on the type of airport projects eligible for consideration, how and to whom to apply, and the dimensional standards for airports.

✓ **NATIONAL AIRPORT PLAN.** Fiscal Years 1965-1969. (\$1.50—GPO)

Forecasts the requirements to meet the need of civil aviation. Listed are the new airports and improvements to existing airports by States.

✓ **NATIONAL CAPITAL AIRPORTS.** Fiscal Year 1963. (Free—FAA)

This is the annual report for the fiscal year ending June 30, 1963 of the operation of Washington National and Dulles International Airports in Washington, D.C.

✓ **RADIATION SAFETY FOR CIVIL AIRPORTS.** AC 150/5240-6. August 16, 1963. (30¢—GPO)

Provides civil airport management, safety personnel, and the general public with basic information on the fundamentals of radiation and the technical criteria needed to cope with emergencies involving radioactive materials or nuclear weapons on aircraft in event of an accident on or near an airport.

✓ **NINETEENTH ANNUAL REPORT OF OPERATIONS UNDER THE FEDERAL AIRPORT ACT.** Fiscal Year 1964. (Free—FAA)

This report is prepared in accordance with Section 18 of the Federal Airport Act, which requires that the

✓ **ENROUTE IFR AIR TRAFFIC SURVEY—PEAK DAY. Fiscal Year 1964. (Free—FAA)**

Summarizes and analyzes peak day data for each center and terminal facility reporting IFR departures, and shows altitudes and departure times by user and type of aircraft. Includes pairs of communities with 10 or more flights between them and the number of such flights.

✓ **FAA AIR TRAFFIC ACTIVITY. Calendar Year 1964. (\$1.25—GPO)**

Presents data on air traffic activity of the FAA Airways System as measured by fix postings, departures, and overs; aircraft operations; instrument approaches; aircraft contacted and flight plans originated; and intermediate field landings. This report is issued twice a year and presents terminal and enroute air traffic data on either a fiscal or a calendar year basis.

✓ **FAA STATISTICAL HANDBOOK OF AVIATION—1964 Edition. (\$1.00—GPO)**

Official statistics on principal aviation activities, including air carrier and general aviation operations, airmen, and aircraft certification figures; airways, airport, and accident data.

✓ **GENERAL AVIATION AIRCRAFT OWNERS SURVEY—1962. June 1964. (Free—FAA)**

Presents results of the 1962 sample survey of general aviation activities to provide statistics and comparisons on hours flown by type of flying, type of ownership, radio and other navigation equipment, cross-country flying, average occupancy, aircraft used, etc.

✓ **GENERAL AVIATION AIRCRAFT RADIO EQUIPMENT—1962. September 1964. (Free—FAA)**

This report concerns the number of general aviation aircraft equipped with communication and navigation aids, by various type of aid and by type of aircraft. Information is derived from a sample survey of general aviation aircraft.

✗ **STATISTICAL STUDY OF U.S. CIVIL AIRCRAFT AS OF JANUARY 1, 1964. (55¢—GPO)**

Contains detailed data on all civil aircraft registered with the FAA. Aircraft are listed alphabetically by manufacturer showing the number of active and inactive planes by model, the FAA designation, and the number, make and power range of each engine. The next edition will be consolidated with "U.S. Civil Aircraft by State and County" in a new annual publication entitled "Census of U.S. Civil Aircraft as of December 31, 1964" to be published in August 1965.

*** U.S. ACTIVE CIVIL AIRCRAFT BY STATE AND
COUNTY AS OF JANUARY 1964. (60¢—GPO)**

Presents a comprehensive summary of the current geographical distribution of all active civil aircraft registered with the FAA. The next edition will be consolidated with "Statistical Study of U.S. Civil Aircraft" in a new annual publication entitled "Census of U.S. Civil Aircraft as of December 31, 1964" to be published in August 1965.

Examination Guides

✓ AIRFRAME AND POWERPLANT MECHANICS EXAMINATION GUIDE. AC 65-2. Revised 1963. (30¢—GPO)

This guide is to assist applicants to prepare for the A&P mechanic examinations and contains information about requirements, applications, and the examinations. Included is a list of recommended study material and sample questions.

✓ AIRLINE TRANSPORT PILOT (AIRPLANE) EXAMINATION GUIDE. 1965. AC 61-18. (35¢—GPO)

This guide describes the scope of the written examination and lists appropriate references for study, and includes those portions of the Federal Aviation Regulations that specify eligibility and knowledge requirements.

✓ AIRLINE TRANSPORT PILOT (HELICOPTER) WRITTEN EXAMINATION GUIDE. 1962. (30¢—GPO)

This guide describes the scope of the written examination and provides a list of recommended study material. Included are the eligibility requirements for the ATR helicopter rating.

✓ COMMERCIAL PILOT EXAMINATION GUIDE. 1962. (75¢—GPO)

This guide is intended to define the scope of the written examination and to narrow the field for study to the basic knowledges requisite to the Commercial Pilot Rating. A list of suggested study material is included in addition to a study outline and sample examination.

✓ FLIGHT TEST GUIDES.

This is a series of study guides being issued by the FAA covering type ratings, private pilot, commercial pilot, and instrument rating examinations. To date, the series consists of the following:

Multiengine Airplane Class or Type Rating. AC 61-4. (15¢—GPO)

Private Pilot—Airplane, Single-Engine. AC 61-3. (15¢—GPO)

- Commercial Pilot—Airplane, Single-Engine. AC 61.117-1A. (10¢—GPO)
- Instrument Pilot—Airplane. AC 61-17. (10¢—GPO)
- Helicopter—Private and Commercial Pilot. (15¢—GPO)
- Gyroplane—Private Pilot. (15¢—GPO)
- Gyroplane—Commercial Pilot. (15¢—GPO)
- Flight Instructor Practical Test Guide. AC 61-14. (10¢—GPO)

***GROUND INSTRUCTOR EXAMINATION GUIDE—BASIC-ADVANCED. AC 143-1. 1963. (45¢—GPO)**

This guide provides guidance for the serious student by outlining the scope of knowledge required of applicants preparing for the examinations. Includes a list of recommended study material, study outline, and a sample examination.

✓INSTRUMENT FLIGHT INSTRUCTOR EXAMINATION GUIDE. March 1962. (35¢—GPO)

This study guide outlines the scope of the examination, which is in two sections, "Fundamentals of Instructing" and "Analysis and Performance of Instrument Maneuvers and Procedures." The guide also lists appropriate references for study to help the applicant successfully pass the examination for certification as an instrument flight instructor.

✓INSTRUMENT PILOT EXAMINATION GUIDE. 1964. AC 61-8. (40¢—GPO)

This guide points out the subject areas covered in the examination for instrument rating, and suggests to the student the phases of aviation knowledge in which he should be well informed. Includes sample examination questions and answers, and discusses the requirements for the rating in detail. This guide supersedes the July 1961 edition.

✓GROUND INSTRUCTOR-INSTRUMENT-WRITTEN EXAMINATION GUIDE. 1962. (25¢—GPO)

Points out the subject areas covered in the examination and suggests to the student the phases of aeronautical knowledge most needed to provide a sound background in this field. Includes a list of recommended study material and a sample examination.

✓PILOT TRANSITION COURSES FOR COMPLEX SINGLE-ENGINE AND LIGHT TWIN-ENGINE AIRPLANES. May 1964. AC 61-9. (15¢—GPO)

This publication is offered as a guide to the procedures and standards to be followed for a thorough and comprehensive checkout in the more complex or more modern light twin-engine airplanes.

**REFRESHER COURSES FOR PRIVATE AND
COMMERCIAL PILOTS. 1964. AC 61-10. (15¢—
GPO)**

Presents the scope, coverage and syllabus of refresher courses for pilots holding at least private pilot certificates and for pilots with instrument ratings to update their piloting skills.

* * * *

The following study guides have been issued as **ADVISORY CIRCULARS** and are available free to qualified applicants from the FAA :

- AC 61-5 Helicopter Pilot Examination Guide—Private, Commercial and Instructor. November 1963.
- AC 61-6A Glider Pilot Examination Guide—Private, Commercial and Flight Instructor. 1965.
- AC 61-7 Military Pilot Examination Guide. December 1963.
- AC 90-7 Air Traffic Control Tower Operator Certification and Rating. September 1963.

Training Manuals

✓ **AVIATION WEATHER. 1965. AC 00-6. (\$2.25—GPO)**

This joint FAA/Weather Bureau publication supersedes and replaces "Pilot's Weather Handbook, TM-104," and provides an up-to-date and expanded text for pilots and flight operations personnel. Gives the pilot a practical understanding of those meteorological principles important to aviation and essential to his effective use of current and forecast weather information.

✓ **BASIC GLIDER CRITERIA HANDBOOK. 1962. (75¢—GPO)**

Provides individual glider designers, the glider industry, and glider operating organizations with guidance material that augments the FAA glider airworthiness certification standards.

✓ **FACTS OF FLIGHT. AC 00-4. Revised May 1963. (50¢—GPO)**

This booklet explains in nontechnical language why an airplane flies, effect of the controls, stalls and spins, facts about airplane structure and engine operation, and proper technique in takeoff, cruising, and landing.

✓ **FLIGHT INSTRUCTOR'S HANDBOOK. 1964. AC 61-16. (60¢—GPO)**

This handbook has been prepared for the information and guidance of pilots preparing to apply for flight instructor certificates and for use as a reference by certificated flight instructors. It supersedes Civil Aeronautics Administration Technical Manual 105, "Flight Instructors' Handbook," dated January 1958.

✓ **PATH OF FLIGHT. AC 00-5. Revised February 1963. (70¢—GPO)**

Contains practical information about navigation of aircraft, radio communication, radio aids and flight planning.

✓ **PERSONAL AIRCRAFT INSPECTION HANDBOOK. Revised 1964. AC 20-9. (50¢—GPO)**

Provides a general guide for inspection of aircraft; Part I deals with the fundamentals of inspection, and

Part II covers typical inspection in detail. As reliable inspection comes only with experience, it is emphasized that the use of this handbook by the novice does not qualify him to make final determinations regarding the airworthiness of the aircraft. This Handbook supersedes TM-101 dated 1950.

***PILOTS RADIO HANDBOOK. 1962. (75¢—GPO)**

This Handbook explains in simple language the purpose and use of flight assistance devices; describes the U.S. Common System of air navigation and traffic control now in operation; explains current air traffic control procedures; and discusses radio use, weather reporting, and other aids to navigation.

✓PLANE SENSE. General Aviation Information. AC 20-5. Revised 1963. (Free—FAA)

This booklet is to acquaint the prospective pilot and airplane owner with some fundamentals of owning and operating an airplane.

✓PRIVATE PILOT (AIRPLANE) FLIGHT TRAINING GUIDE. 1964. AC 61-2A. (\$1.00—GPO)

This Guide is to assist flight instructors in planning the flight training of primary students. It is primarily for the use of instructors who do not operate under a curriculum offered by a certified flying school. The Guide is not intended for a study guide for either flight instructors or student pilots.

✓PRIVATE PILOTS HANDBOOK OF AERONAUTICAL KNOWLEDGE. 1963. (\$2.50—GPO)

This handbook contains essential, authoritative information used in training and guiding private pilots. All subject areas in which an applicant may be tested are covered; tells how to use the Airman's Guide, Flight Information Manual, data in FAA approved airplane flight manuals and basic instruments for airplane attitude control.

✓REALM OF FLIGHT. AC 00-3. Revised 1963. (75¢—GPO)

A condensed elementary text on weather characteristics written for the private pilot. Many color illustrations are included to describe atmospheric pressure, clouds, winds, fronts, etc.

✓STUDENT PILOT GUIDE. May 1964. AC 61-12. (15¢—GPO)

This guide presents, in a "how to go about it" fashion, general procedures for obtaining a student and private pilot certificate. It answers questions on

pilot requirements, training, study material, examinations, flight tests, and lists the addresses of the FAA General Aviation District Offices.

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MIL-HNDK-23 - Composite Construction for Flight Vehicles: Part III—Design Procedures. October 1962. (55¢—GPO)

✓ **A CITIZEN'S GUIDE TO AIRCRAFT NOISE.** 1963. (25¢—GPO)

In this booklet we attempt to show why airplanes make noise, why the jets fly over your house, why night flights are necessary and to describe what has been and can be done to quiet them.

✓ **APPLICATION OF GLASS FIBER LAMINATES IN AIRCRAFT. 1964. AC 20-21. (35¢—GPO)**

This book discusses the past and present uses of glass reinforced plastics, its engineering properties, designing with glass reinforced plastics and manufacturing aircraft parts of this material. Also includes information to be included in process specifications for structural glass fiber base plastic laminate and sandwich construction parts, with halftones and drawings to assist the technical explanations.

* **COMMUNICATIONS PROCEDURES. AT P-7300.1A. July 1, 1964. (\$3.00 domestic; \$4.00 foreign)**

This manual prescribes uniform instructions and practices, with accompanying phraseology and examples, to be used by personnel of all facilities providing aeronautical communications services of the FAA. Subscription consists of basic manual and six supplements.

✓ **CONTRACTIONS. AT P-7340.1A. March 15, 1963. (75¢—GPO)**

This handbook contains the approved word and phrase contractions used by personnel of FAA and other agencies that provide air traffic control, communications, weather, charting and associated services. Subscription consists of the basic manual, subject dividers, and page revisions issued quarterly.

✓ **DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. First Edition. June 30, 1962. (\$2.50—GPO)**

This status report presents a preliminary system design for airspace utilization involving the safe and efficient use of air vehicles to implement the Project Beacon Report. It introduces a forecast of traffic patterns through 1975 and outlines a spectrum of services appropriate to the various users.

✓ **DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. Summary of First Edition. (45¢—GPO)**

This summary describes all essential elements of the long-range plan for the National Airspace Utilization System.

✓ **FAA AVIATION NEWS. (Annual subscription: \$1.50 domestic; \$2.00 foreign. Single copy: 15¢)**

Published monthly in the interest of aviation safety to acquaint readers with the policies and programs of the FAA.

✓ **Flight Information**

AIRMAN'S INFORMATION MANUAL. December 1964. (\$15.00 domestic; \$19.00 foreign—GPO)

This publication presents in a single document information necessary for the planning and conduct of a flight in the U.S. airway system. It replaces the Airman's Guide, the Directory of Airports and Seaplane Bases, and the Flight Information Manual.

Besides providing frequently updated airport and navaid data, the AIM has more instructional and procedural information than that contained in the publications it replaces. The AIM is designed for use in the cockpit and is three-hole punched to fit a standard loose-leaf binder.

Annual subscription consists of the basic manual with monthly, quarterly, and semi-annual revisions of complete sections, plus a bi-weekly Notices to Airmen element.

✓ **ALASKA AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Subscription: \$9.00 first class mail; \$11.00 air mail. Single copy: 50¢—C&GS)**

✓ **PACIFIC AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Subscription: \$5.75 first class mail; \$7.50 air mail. Single copy 50¢—C&GS)**

Each of these Guides, published every 28 days, contains a Radar-Radio Listing, Directory of Airports and Seaplane Bases, Special Notices, Emergency Search and Rescue Procedures. After September 1, 1965, copies of each may be purchased by subscription and/or single copy non-subscription from the U.S. Coast and Geodetic Survey, Washington, D.C. 20230. Make check or money order payable to U.S. Coast and Geodetic Survey.

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*** FEDERAL AVIATION ACT OF 1958. PUBLIC LAW 85-726, 85th CONGRESS. Revised to July 1, 1963. (30¢—GPO)**

This Act creates the Federal Aviation Agency, continues the Civil Aeronautics Board, provides for the regulation and promotion of civil aviation and provides for the safe and efficient use of the airspace by both civil and military aircraft.

✓ THE FEDERAL AVIATION AGENCY. September 1964. (25¢—GPO)

This pamphlet describes the FAA—its operations, responsibilities, aims, history and organization. In addition to discussing aircraft, airmen, airways, airports and air traffic control, it presents the highlights of aviation medicine, communications, international aviation, research and development, the FAA Aeronautical Center and the National Aviation Facilities Experimental Center.

✓ SIXTH ANNUAL REPORT OF THE FEDERAL AVIATION AGENCY 1964. (50¢—GPO)

This is the Administrator's report to the President and the Congress on activities of the Agency in accordance with Section 313(e) of the Federal Aviation Act of 1958.

✓ GENERAL AVIATION INSPECTION AIDS SUMMARY. AC 20-7B. August 1965. (\$1.50 domestic; \$2.00 foreign—GPO)

The inspection aids, compiled from reports of aircraft and component service difficulties, are for the use of operators, mechanics, repair stations and other engaged in the operation, inspection, and maintenance of general aircraft. Subscription consists of the Summary and eleven monthly supplements.

✓ GLOSSARY OF AIR TRAFFIC CONTROL TERMS. (Free—FAA)

This booklet defines some of the terms in air traffic control, especially words most frequently used in air-ground communications.

✓ GUIDE TO DRUG HAZARDS IN AVIATION MEDICINE. 1962. (55¢—GPO)

This is a handbook on the effect of the use of drugs in aviation to guide medical examiners and others interested in determining the cause of symptoms produced by drugs upon individual airmen.

*** JENNIES TO JETS. July 1963. (Free—FAA)**

Traces the historical development of aviation from its beginning to the present jet age.

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This manual establishes measures, precautions, and guidelines to be observed by operating and maintenance personnel in the identification and handling of aircraft, aircraft engines, and parts, before and after exposure to radioactive fallout.

✓ **SAFETY IN CONSTRUCTION AND ALTERATION WORK. November 5, 1962. (45¢—GPO)**

This handbook includes FAA's safety requirements for all construction and repair work performed for the Agency under contract. These provisions also apply to FAA personnel performing such work.

✓ **SELLING TO THE FAA. 1965. (Free—FAA)**

Describes how, what and where the FAA buys, and how prospective contractors can participate in the FAA procurement program, ranging from the purchase of simple office supplies to complex research and development services. Requests for copies should be addressed to the FAA, Procurement Information Office, IM-205, Washington, D.C. 20553, or to the nearest FAA Regional Office.

✓ **SPECIFICATIONS.**

The aircraft, engine and propeller specifications subscriptions are available from the Government Printing Office and consists of the basic sets plus monthly supplementary service for approximately 1 year.

Aircraft Specifications. (\$20.00 domestic; \$25.00 foreign. Renewal subscription \$7.00 domestic; \$8.25 foreign—GPO)

Aircraft Engine & Propeller Specifications & Type Certificate Data Sheets. (\$8.00 domestic; \$10.00 foreign. Renewal subscription \$2.00 domestic; \$2.25 foreign—GPO)

✓ **SUMMARY OF AIRWORTHINESS DIRECTIVES FOR SMALL AIRCRAFT.** January 1, 1965. Volume I. (\$3.00 domestic; \$4.00 foreign—GPO)

✓ **SUMMARY OF AIRWORTHINESS DIRECTIVES FOR LARGE AIRCRAFT.** January 1, 1965. Volume II. (\$3.50 domestic; \$4.50 foreign—GPO)

The airworthiness directives are now summarized in two volumes, one covering small aircraft and the other large aircraft. Each volume may be purchased separately on subscription which consists of the basic volume plus annual supplements. Free mailing list service for the bi-weekly AD cards will continue to be available from the FAA *on request* as in the past.

✓ **UNITED STATES CIVIL AIRCRAFT REGISTER.** AC 20-6C. January 1, 1965. (\$7.00—GPO)

This is a register of active civil aircraft, listed by registration number, and showing name and address of owner, manufacturer's serial number, make, model, year of manufacture, and type of aircraft.

✓ **UNITED STATES MANUAL OF CRITERIA FOR STANDARD INSTRUMENT APPROACH PROCEDURES.** Third Edition. September 1, 1956. (55¢—GPO)

This manual contains the criteria used in the preparation, approval and promulgation of instrument approach procedures within the U.S., its possessions, and at any location over which a U.S. agency exercises jurisdiction.

FAA maintains a mailing list for the free distribution of this publications booklet. Those wishing to receive future issues should address their requests to the FEDERAL AVIATION AGENCY, PUBLISHING AND GRAPHICS DIVISION, ATTN: HQ-437, Washington, D.C. 20553

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Washington, D.C. 20553

Official Business

✓ **EIGHTEENTH ANNUAL REPORT OF OPERATIONS UNDER THE FEDERAL AIRPORT ACT. Fiscal Year 1963. (Free—FAA)**

This report is prepared in accordance with Section 18 of the Federal Airport Act, which requires that the Administrator of the FAA submit to the Congress an annual report of operations during the preceding fiscal year.

* **SMALL AIRPORTS. January 1959. (20¢—GPO)**

Presents basic information concerning the planning and development of small airports that will be used mainly for local flying rather than by commercial air carriers. Though keyed especially toward publically owned airports is applicable to privately owned airports. Types discussed range from a small, comparatively undeveloped turf strip to a fully developed airport having paved runways, taxiway and apron, and complete support facilities.

✓ **STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS. AC 150/5370-1. June 1959. (\$2.75—GPO)**

Supplement #2. 1964 (Being printed—price not available)

Contains specifications for the construction of airports and airparks in the U.S. and its possessions. Items covered are clearing and grubbing, grading, drainage, paving, lighting, turfing, and incidental construction items. This edition supersedes the January 1948 issue and its supplements.

✓ **VFR AIRPORTS. AC 150/5300-1. March 1963. (Free—FAA)**

This Advisory Circular sets forth FAA minimum standards for VFR airports to serve small aircraft operating under visual flight rules for the guidance of the public.

Aviation Statistics

✓ AIR TRAFFIC PATTERNS AND COMMUNITY CHARACTERISTICS. 1963. (30¢—GPO)

This study presents a comprehensive review and analysis of the community based on 1960 Census data, its economic and social characteristics, and effects on air traffic patterns.

AIRCRAFT IN AGRICULTURE—1962. (Free—FAA)

This report includes data on agricultural operators, aircraft, pilots, acres treated, materials dispensed, and hours flown compiled from questionnaires returned by all commercial aerial applicators operating within the conterminous U.S. in 1962.

✓ AIRPORT ACTIVITY STATISTICS OF CERTIFICATED ROUTE AIR CARRIERS. Fiscal Year 1963. January 1964. (\$1.75—GPO). Calendar Year 1963. June 1964. (\$2.00—GPO)

Provides the air-transport industry and the public with basic statistics relating to the passenger, freight, express, and mail traffic at each of the many airports served by U.S. airlines. This publication is issued jointly by the Civil Aeronautics Board and the FAA, and is a combination of the former "Air Commerce Traffic Pattern" by FAA and the "Airport Activity Statistics of Certificated Route Air Carriers" of the CAB. Future issues will cover 12-month periods ending June 30 and December 31 of each year.

✓ FAA AIR TRAFFIC ACTIVITY. Calendar Year 1963. (\$1.25—GPO). Fiscal Year 1964. (\$1.25—GPO)

Presents data on air traffic activity of the FAA Airways System as measured by fix postings, departures, and overs; aircraft operations; instrument approaches; aircraft contacted and flight plans originated; and intermediate field landings. This report is issued twice a year and presents terminal and en-route air traffic data on either a fiscal or a calendar year basis.

✓ FAA STATISTICAL HANDBOOK OF AVIATION—1963. (75¢—GPO). 1964. (75¢—GPO)

Official statistics on principal aviation activities, including air carrier and general aviation operations,

File Copy
✓ New York
x

FAA PUBLICATIONS



November 1964

FEDERAL AVIATION AGENCY

INSTRUCTIONS FOR ORDERING

It is the policy of the Federal Aviation Agency to print and disseminate its publications with the maximum of economy compatible with end use. In applying this policy, the Agency makes free distribution of its publications only when it is not feasible to sell them through the Superintendent of Documents. The publications listed and described on the following pages are available from the source indicated on the title line of each item.

The symbols used to identify these agencies, and their mailing addresses, are as follows:

GPO: Superintendent of Documents
U.S. GOVERNMENT PRINTING OFFICE
Washington, D.C. 20402

FAA: Publishing and Graphics Division, HQ-438
FEDERAL AVIATION AGENCY
Washington, D.C. 20558

Mail orders for publications which are on sale at GPO should be accompanied by a check or money order made payable to the SUPERINTENDENT OF DOCUMENTS. No c.o.d. orders are accepted.

Unless otherwise specified, orders for mailing or shipment to foreign countries should include an additional amount of about one-fourth of the purchase price for postage. Remittance should be by International Money Order or draft on a U.S. bank, payable to the SUPERINTENDENT OF DOCUMENTS.

To avoid delay, DO NOT send remittances to the FAA. Only free publications are distributed by the FAA.

Publications available from GPO are also sold at their bookstore located at 710 North Capitol Street, Washington, D.C.

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Airports

✓ ADMINISTRATION BUILDINGS FOR GENERAL AVIATION AIRPORTS. AC 150/5365-1. (25¢—GPO)

The information in this booklet is helpful in working out a realistic relationship between airport activity and requirements for general aviation administration buildings, types and locations. It also deals with the architectural requirements and contains design and planning criteria to aid in satisfying specific local problems.

✓ AIRPORT DISASTER CONTROL GUIDE. AC 150/5240-1. August 1962. (Free—FAA)

This guide concentrates on the positive steps which can be taken to reduce or avoid some of the problems imposed by enemy attack.

* AIRPORT EMERGENCY PLANNING. AC 150/5210-1. 8/15/63. (Free—FAA)

This Advisory Circular presents general guidance for airport emergency operations planning and is limited to principles which will serve as a guide to writing an adequate emergency plan.

✓ AIRPORT PAVING. AC 150/5320-6. June 1964. (Free—FAA)

Provides a guide for engineers for use in designing pavements for civil airports and contains all essential data required to comply with FAA standards.

✓ AIRPORT PLANNING GUIDES.

These guides are for use in planning and developing airports. Numbers 1 and 3 are out of print; only the following are available:

Item No. 2 Longest Airline Nonstop Flights for Use in the Preparation of the National Airport Plan. (Free—FAA)

Item No. 4 Economic Planning for General Aviation Airports. December 1960. (Free—FAA)

✓ **AIRPORT TERMINAL BUILDINGS.** September 1960. (55¢—GPO)

This guide is intended to assist airport developers, architects, and engineers in planning airport terminal buildings and associated facilities to meet current and expanding demands. Featured are discussions and recommendations on building space relationships, area requirements, noise control within the building, and building area planning.

✓ **FEDERAL-AID AIRPORT PROGRAM—LABOR STANDARDS AND ENFORCEMENT PROCEDURES.** Revised April 1962. (Free—FAA)

Provides the basic requirements and procedures for administering the labor and wage provisions applicable to the Federal-aid Airport Program. It is intended primarily for the guidance of those public agencies sponsoring projects under the program and the contractors engaged in work under a project.

✓ **HELIPORT DESIGN GUIDE.** 1959. (30¢—GPO)

This general guide for the development of a heliport presents basic information to be used for various types of heliports. Those discussed range from comparatively undeveloped one-operation types to more fully developed heliports capable of multiple operations. The information is based on known helicopter performance and sound operation practices.

✓ **NATIONAL AIRPORT PLAN.** Fiscal Years 1963-1967. April 1962. (\$2.25—GPO) 1963 Supplement. (60¢—GPO) Fiscal Years 1965-1969. (\$1.50—GPO)

Forecasts the requirements to meet the need of civil aviation. Listed are the new airports and improvements to existing airports by States.

✓ **NATIONAL CAPITAL AIRPORTS.** Fiscal Year 1963. (Free—FAA)

This is the annual report for the fiscal year ending June 30, 1963 of the operation of Washington National and Dulles International Airports in Washington, D.C.

✓ **RADIATION SAFETY FOR CIVIL AIRPORTS.** AC 150/5240-6. August 16, 1963. (30¢—GPO)

Provides civil airport management, safety personnel, and the general public with basic information on the fundamentals of radiation and the technical criteria needed to cope with emergencies involving radioactive materials or nuclear weapons on aircraft in event of an accident on or near an airport.

airmen, and aircraft certification figures; airways, airport, and accident data.

✓ **GENERAL AVIATION AIRCRAFT OWNERS SURVEY—1962.** June 1964. (Free—FAA)

Presents results of the 1962 sample survey of general aviation activities to provide statistics and comparisons on hours flown by type of flying, type of ownership, radio and other navigation equipment, cross-country flying, average occupancy, aircraft used, etc.

✓ **GENERAL AVIATION AIRCRAFT RADIO EQUIPMENT—1962.** September 1964. (Free—FAA)

This report concerns the number of general aviation aircraft equipped with communication and navigation aids, by various type of aid and by type of aircraft. Information is derived from a sample survey of general aviation aircraft.

✓ **STATISTICAL STUDY OF U.S. CIVIL AIRCRAFT AS OF JANUARY 1, 1961.** July 1961. (35¢—GPO)
AS OF JANUARY 1962 and JANUARY 1963. March 1964. (50¢—GPO)

This study, published annually, contains detailed data on all civil aircraft registered with the FAA. Aircraft are listed alphabetically by manufacturer showing the number of active and inactive planes by model, the FAA designation, and the number, make and power range of each engine.

✓ **U.S. ACTIVE CIVIL AIRCRAFT BY STATE AND COUNTY AS OF JANUARY 1962 AND JANUARY 1963.** (50¢—GPO)

Presents a comprehensive summary of the current geographical distribution of all active civil aircraft registered with the FAA as of January 1, 1962 and January 1, 1963.

* **U.S. CIVIL AIR CARRIER FLEET.** Fourth Quarter 1963. (Free—FAA)

Shows the number of aircraft used in air carrier operations during December 1963 by the three categories of air carriers: scheduled air carriers; supplemental air carriers; and commercial operators. This is the final quarterly report to be published; hereafter, year end data will be included in "FAA Statistical Handbook of Aviation."

Examination Guides

✓ **AIRFRAME AND POWERPLANT MECHANICS EXAMINATION GUIDE. AC 65-2. Revised 1969. (30¢—GPO)**

This guide is to assist applicants to prepare for the A&P mechanic examinations and contains information about requirements, applications, and the examinations. Included is a list of recommended study material and sample questions.

✓ **AIRLINE TRANSPORT PILOT (AIRPLANE) EXAMINATION GUIDE. 1962. (35¢—GPO)**

This guide describes the scope of the written examination and lists appropriate references for study, and includes those portions of the Civil Air Regulations that specify eligibility and knowledge requirements.

✓ **AIRLINE TRANSPORT PILOT (HELICOPTER) WRITTEN EXAMINATION GUIDE. 1962. (30¢—GPO)**

This guide describes the scope of the written examination and provides a list of recommended study material. Included are the eligibility requirements for the ATR helicopter rating.

✗ **AIRPLANE FLIGHT INSTRUCTOR EXAMINATION GUIDE. 1964. AC 61-11. (60¢—GPO)**

This guide has been prepared to help airplane instructor applicants acquire the aeronautical knowledge required for certification. It contains a list of recommended study material, a study outline, and sample test questions.

✓ **COMMERCIAL PILOT EXAMINATION GUIDE. 1962. (75¢—GPO)**

This guide is intended to define the scope of the written examination and to narrow the field for study to the basic knowledges requisite to the Commercial Pilot Rating. A list of suggested study material is included in addition to a study outline and sample examination.

✓ **FLIGHT TEST GUIDES.**

This is a series of study guides being issued by the

FAA covering type ratings, private pilot, commercial pilot, and instrument rating examinations. To date, the series consists of the following:

Multiengine Airplane Class or Type Rating. AC 61-4. (15¢—GPO)

Private Pilot—Airplane, Single-Engine. AC 61-8. (15¢—GPO)

Commercial Pilot—Airplane, Single-Engine. AC 61.117-1. (15¢—GPO)

Instrument Pilot—Airplane. AC 61-17. (15¢—GPO)

Helicopter—Private and Commercial Pilot. (15¢—GPO)

Gyroplane—Private Pilot. (15¢—GPO)

Gyroplane—Commercial Pilot. (15¢—GPO)

Flight Instructor Practical Test Guide. AC 61-14. (10¢—GPO)

✓ **GROUND INSTRUCTOR EXAMINATION GUIDE— BASIC-ADVANCED. AC 143-1. 1963. (45¢—GPO)**

This guide provides guidance for the serious student by outlining the scope of knowledge required of applicants preparing for the examinations. Includes a list of recommended study material, study outline, and a sample examination.

✓ **INSTRUMENT FLIGHT INSTRUCTOR EXAMINATION GUIDE. March 1962. (35¢—GPO)**

This study guide outlines the scope of the examination, which is in two sections, "Fundamentals of Instructing" and "Analysis and Performance of Instrument Maneuvers and Procedures." The guide also lists appropriate references for study to help the applicant successfully pass the examination for certification as an instrument flight instructor.

✓ **INSTRUMENT PILOT EXAMINATION GUIDE. 1964. AC 61-8. (40¢—GPO)**

This guide points out the subject areas covered in the examination for instrument rating, and suggests to the student the phases of aviation knowledge in which he should be well informed. Includes sample examination questions and answers, and discusses the requirements for the rating in detail. This guide supersedes the July 1961 edition.

✓ **GROUND INSTRUCTOR-INSTRUMENT-WRITTEN EXAMINATION GUIDE. 1962. (25¢—GPO)**

Points out the subject areas covered in the examination and suggests to the student the phases of aeronautical knowledge most needed to provide a sound background in this field. Includes a list of recommended study material and a sample examination.

✓ **PILOT TRANSITION COURSES FOR COMPLEX SINGLE-ENGINE AND LIGHT TWIN-ENGINE AIRPLANES.** May 1964. AC 61-9. (15¢--GPO)

This publication is offered as a guide to the procedures and standards to be followed for a thorough and comprehensive checkout in the more complex or more modern light twin-engine airplanes.

✓ **REFRESHER COURSES FOR PRIVATE AND COMMERCIAL PILOTS.** 1964. AC 61-10. (15¢--GPO)

Presents the scope, coverage and syllabus of refresher courses for pilots holding at least private pilot certificates and for pilots with instrument ratings to update their piloting skills.

* * * *

The following study guides have been issued as **ADVISORY CIRCULARS** and are available free to qualified applicants from the FAA:

- AC 61-5 Helicopter Pilot Examination Guide—Private, Commercial and Instructor. November 1963.
- AC 61-6 Glider Pilot Examination Guide—Private, Commercial and Flight Instructor. November 1963.
- AC 61-7 Military Pilot Examination Guide. December 1963.
- AC 90-7 Air Traffic Control Tower Operator Certification and Rating. September 1963.

Training Manuals

✱ **AIRCRAFT POWERPLANT HANDBOOK. TM-107.**
January 1949. (\$1.50—GPO)

This handbook is to acquaint student, mechanics, pilots and engineers with the application of aircraft powerplant fundamentals.

✓ **BASIC GLIDER CRITERIA HANDBOOK. 1962.**
(75¢—GPO)

Provides individual glider designers, the glider industry, and glider operating organizations with guidance material that augments the FAA glider airworthiness certification standards.

✓ **FACTS OF FLIGHT. AC 00-4. Revised May 1963.**
(50¢—GPO)

This booklet explains in nontechnical language why an airplane flies, effect of the controls, stalls and spins, facts about airplane structure and engine operation, and proper technique in takeoff, cruising, and landing.

✓ **FLIGHT INSTRUCTOR'S HANDBOOK. 1964. AC 61-16. (60¢—GPO)**

This handbook has been prepared for the information and guidance of pilots preparing to apply for flight instructor certificates and for use as a reference by certificated flight instructors. It supersedes Civil Aeronautics Administration Technical Manual 105, "Flight Instructors' Handbook," dated January 1956.

✓ **PATH OF FLIGHT. AC 00-5. Revised February 1963.**
(70¢—GPO)

Contains practical information about navigation of aircraft, radio communication, radio aids and flight planning.

✓ **PERSONAL AIRCRAFT INSPECTION HANDBOOK. Revised 1964. AC 20-9. (50¢—GPO)**

Provides a general guide for inspection of aircraft; Part I deals with the fundamentals of inspection, and Part II covers typical inspection in detail. As reliable inspection comes only with experience, it is

emphasized that the use of this handbook by the novice does not qualify him to make final determinations regarding the airworthiness of the aircraft.

✓ **PILOTS RADIO HANDBOOK. OA P-7310.1. 1962.**
(75¢—GPO)

This Handbook explains in simple language the purpose and use of flight assistance devices; describes the U.S. Common System of air navigation and traffic control now in operation; explains current air traffic control procedures; and discusses radio use, weather reporting, and other aids to navigation.

✓ **PLANE SENSE. General Aviation Information.**
AC 20-5. Revised 1963. (Free—FAA)

This booklet is to acquaint the prospective pilot and airplane owner with some fundamentals of owning and operating an airplane.

✓ **PRIVATE PILOT (AIRPLANE) FLIGHT TRAINING GUIDE. 1964. AC 61-2A. (\$1.00—GPO)**

This Guide is to assist flight instructors in planning the flight training of primary students. It is primarily for the use of instructors who do not operate under a curriculum offered by a certified flying school. The Guide is not intended for a study guide for either flight instructors or student pilots.

✓ **PRIVATE PILOTS HANDBOOK OF AERONAUTICAL KNOWLEDGE. 1963. (\$2.50—GPO)**

This handbook contains essential, authoritative information used in training and guiding private pilots. All subject areas in which an applicant may be tested are covered; tells how to use the Airman's Guide, Flight Information Manual, data in FAA approved airplane flight manuals and basic instruments for airplane attitude control.

✓ **REALM OF FLIGHT. AC 00-3. Revised 1963. (75¢—GPO)**

A condensed elementary text on weather characteristics written for the private pilot. Many color illustrations are included to describe atmospheric pressure, clouds, winds, fronts, etc.

✓ **STUDENT PILOT GUIDE. May 1964. AC 61-12.**
(15¢—GPO)

This guide presents, in a "how to go about it" fashion, general procedures for obtaining a student and private pilot certificate. It answers questions on pilot requirements, training, study material, exam-

inations, flight tests, and lists the addresses of the FAA General Aviation District Offices.

TERRAIN FLYING. July 1960. (40¢—GPO)

This booklet is of value to the beginner pilot and the pilots who fly a small plane for pleasure or business. It contains observations, opinions, warnings and advice of veteran pilots which, if heeded, can make flying more pleasant and safer.

Flight Information

✓ **AIRMAN'S INFORMATION MANUAL. December 1964. (\$15.00 domestic; \$19.00 foreign—GPO)**

To be available in December, this new publication will present in a single document all information necessary for the planning and conduct of a flight in the U.S. airway system. It replaces the Airman's Guide, the Directory of Airports and Seaplane Bases, and the Flight Information Manual.

Besides providing frequently updated airport and terminal navaid data, the new AIM has more instructional and procedural information than that contained in the publications it replaces. The AIM is designed to be used in the cockpit for preflight and inflight operations by pilots.

Annual subscription consists of the basic manual with monthly, quarterly, and semi-annual revisions of complete sections, plus a bi-weekly NOTAM element.

✓ **AIRMAN'S GUIDE. (Periodical). (\$9.00 domestic; \$13.25 foreign—GPO)**

The Airman's Guide is published every 2 weeks. Every issue contains Radar-Radio Listings, NOTAMS, and Special Notices. Effective December 10, 1964 the AIRMAN'S GUIDE will be replaced by the new AIRMAN'S INFORMATION MANUAL, described above.

✓ **ALASKA AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Free—FAA)**

PACIFIC AIRMAN'S GUIDE AND CHART SUPPLEMENT. (Free—FAA)

Each of these Guides, published every 28 days, contains a Radar-Radio Listing, Directory of Airports and Seaplane Bases, Special Notices, Emergency Search and Rescue Procedures. Copies of each are included with the purchase of the Enroute Radio Facility Charts for Alaska and the Pacific Area respectively from the U.S. Coast and Geodetic Survey, Washington, D.C. 20230.

✓ **INTERNATIONAL FLIGHT INFORMATION MANUAL. Vol. 12. April 1964. (\$1.00—GPO)**

Provides essential information to pilots in planning foreign flights. It contains a world-wide directory of

airports of entry, and the normal foreign requirements for passports, visas, and health and customs data. It also contains information on special flight restrictions and regulations, foreign entry and flight requirements, North Atlantic and Pacific Ocean Station Vessels. Annual subscription consists of basic manual with supplements issued quarterly.

✓ **INTERNATIONAL NOTAMS. (Annual subscription: \$3.00 domestic; \$5.00 foreign—GPO)**

Provides weekly Notice-to-Airman service on a worldwide basis. Covers temporary hazardous conditions, changes in facility operational data, and foreign entry procedures and regulations. Supplements the "International Flight Information Manual."

Miscellaneous

✓ **AERONAUTICAL STATUTES AND RELATED MATERIAL.** Revised July 1, 1963. (\$1.25—GPO)

Compiled by the staff of the Civil Aeronautics Board, this publication contains the Federal Aviation Act of 1958 and other acts affecting civil aviation.

✓ **AIR TRAFFIC CONTROL PROCEDURES.** 3rd Edition. AT P-7110.1B. November 12, 1964. (\$4.00 domestic; \$5.50 foreign—GPO)

Prescribes procedures and regulation phraseology to be used by personnel of all facilities providing air traffic control service. Subscription consists of basic manual and supplementary service.

* **AIRWORTHINESS DIRECTIVES.** Part 507 of the Regulations of the Administrator. January 1, 1963. (\$4.50 domestic; \$5.50 foreign—GPO)

This is a summary of the currently effective aircraft, engine and propeller modification directives issued prior to January 1, 1963. Subscription consists of the basic summary and annual supplements to keep the summary up to date. Mailing list service for the bi-weekly AD cards is furnished free of charge by the FAA *on request*.

✓ **ANC BULLETINS AND MILITARY HANDBOOKS.**

The following is a list of currently available research documents, prepared and issued jointly by the Air Force, Navy and the FAA:

MIL-HNDK-5 -- Metallic Materials & Elements for Flight Vehicle Structures. (\$2.25—GPO)

MIL-HNDK-17 _ Plastics for Flight Vehicles:
Part I—Reinforced Plastics. (\$1.50—GPO)

Part II—Transparent Glazing Materials. (\$1.00—GPO)

ANC-18 ----- Design of Wood Aircraft Structures. \$1.25—GPO)

- ✓ MIL-HNDK-23 - Composite Construction for Flight Vehicles: Part I—Fabrication, Inspection, Durability and Repair. (\$1.75—GPO)
Part III—Design Procedures. (55¢—GPO)

✓ A CITIZEN'S GUIDE TO AIRCRAFT NOISE. 1963. (25¢—GPO)

In this booklet we attempt to show why airplanes make noise, why the jets fly over your house, why night flights are necessary and to describe what has been and can be done to quiet them.

✓ APPLICATION OF GLASS FIBER LAMINATES IN AIRCRAFT. 1964. AC 20-21. (35¢—GPO)

This book discusses the past and present uses of glass reinforced plastics, its engineering properties, designing with glass reinforced plastics and manufacturing aircraft parts of this material. Also includes information to be included in process specifications for structural glass fiber base plastic laminate and sandwich construction parts, with halftones and drawings to assist the technical explanations.

✓ COMMUNICATIONS PROCEDURES. AT P-7300.1A. July 1, 1964. (\$3.00 domestic; \$4.00 foreign)

This manual prescribes uniform instructions and practices, with accompanying phraseology and examples, to be used by personnel of all facilities providing aeronautical communications services of the FAA. Subscription consists of basic manual and six supplements.

✓ CONTRACTIONS. AT P-7340.1A. March 15, 1963. (75¢—GPO)

This handbook contains the approved word and phrase contractions used by personnel of FAA and other agencies that provide air traffic control, communications, weather, charting and associated services. Subscription consists of the basic manual, subject dividers, and page revisions issued quarterly.

✓ DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. First Edition. June 30, 1962. (\$2.50—GPO)

This status report presents a preliminary system design for airspace utilization involving the safe and efficient use of air vehicles to implement the Project Beacon Report. It introduces a forecast of traffic patterns through 1975 and outlines a spectrum of services appropriate to the various users.

✓ **DESIGN FOR THE NATIONAL AIRSPACE UTILIZATION SYSTEM. Summary of First Edition. (45¢—GPO)**

This summary describes all essential elements of the long-range plan for the National Airspace Utilization System.

✓ **FAA AVIATION NEWS. (Annual subscription: \$1.50 domestic; \$2.00 foreign. Single copy: 15¢)**

Published monthly starting in May 1962, in the interest of aviation safety to acquaint readers with the policies and programs of the FAA.

✓ **FEDERAL AVIATION ACT OF 1958. PUBLIC LAW 85-726, 85th CONGRESS. Revised to July 1, 1963. (30¢—GPO)**

This Act creates the Federal Aviation Agency, continues the Civil Aeronautics Board, provides for the regulation and promotion of civil aviation and provides for the safe and efficient use of the airspace by both civil and military aircraft.

✓ **THE FEDERAL AVIATION AGENCY. September 1964. (25¢—GPO)**

This pamphlet describes the FAA—its operations, responsibilities, aims, history and organization. In addition to discussing aircraft, airmen, airways, airports and air traffic control, it presents the highlights of aviation medicine, communications, international aviation, research and development, the FAA Aeronautical Center and the National Aviation Facilities Experimental Center.

✓ **FOURTH ANNUAL REPORT OF THE FEDERAL AVIATION AGENCY. 1962. (40¢—GPO)**

✓ **FIFTH ANNUAL REPORT. 1963. (45¢—GPO)**

These are the Administrator's reports to the President and the Congress on activities of the Agency in accordance with Section 313(e) of the Federal Aviation Act of 1958.

✓ **GENERAL AVIATION INSPECTION AIDS SUMMARY. AC 20-7A. August 1964. (\$1.25 domestic; \$1.75 foreign—GPO)**

This publication is sold on a subscription basis and consists of the Summary and eleven monthly supplements. The inspection aids are for the use of operators, mechanics, repair agency personnel, and others engaged in the operation, inspection, and maintenance of general aircraft, and are compiled from reports of aircraft and component service difficulties.

✓ **GLOSSARY OF AIR TRAFFIC CONTROL TERMS.**
(Free—FAA)

This booklet defines some of the terms in air traffic control, especially words most frequently used in air-ground communications.

✓ **GUIDE TO DRUG HAZARDS IN AVIATION MEDICINE.** 1962. (55¢—GPO)

This is a handbook on the effect of the use of drugs in aviation to guide medical examiners and others interested in determining the cause of symptoms produced by drugs upon individual airmen.

✓ **JENNIES TO JETS.** July 1963. (Free—FAA)

Traces the historical development of aviation from its beginning to the present jet age.

✓ **LOCATION IDENTIFIERS.** AT P-7350.1G. October 1, 1964. (\$3.00 domestic; \$4.00 foreign—GPO)

This publication lists location identifiers for the U.S. and its possessions, with the U.S. International Place Name Identifiers indicated. Subscription consists of three issues a year, each of which supersedes the previous. No single copies are sold.

✓ **OBSTRUCTION MARKING AND LIGHTING.** September 1962. (20¢—GPO)

This booklet provides information and guidance for marking structures which present hazards to air navigation.

✓ **POTENTIAL OF AIRBORNE COLLISION PREVENTION DEVICES.** (\$1.00—GPO)

Reports the proceedings of the symposium on collision avoidance held July 12 and 13, 1962, in Washington, D.C. Techniques and systems for preventing aircraft collisions are presented and discussed in addresses given by representatives of both the U.S. Government and the aviation industry.

✓ **PROJECT BEACON. REPORT OF THE TASK FORCE ON AIR TRAFFIC CONTROL. A STUDY OF THE SAFE AND EFFICIENT UTILIZATION OF AIRSPACE.** October 1961. (70¢—GPO)

This report discusses the performance of the present means of air traffic control and recommends an improved system for development and implementation.

✓ **PROJECT HORIZON. REPORT OF THE TASK FORCE ON NATIONAL AVIATION GOALS.** September 1961. (\$1.50—GPO)

This is a statement of national aviation goals for the period between 1961 and 1970. These goals define the technical, economic, and military objectives of the Federal Government throughout the broad spectrum of aviation.

✓ **PROJECT HUMMINGBIRD—A TECHNICAL SUMMARY AND COMPILATION OF CHARACTERISTICS AND SPECIFICATIONS ON STEEP-GRADIENT AIRCRAFT.** April 1961. (\$1.75—GPO)

This is the second report under Project Hummingbird. In two parts, it contains a technical summary of the state of the art of steep-gradient aircraft, and specifications and performance of world-wide individual existing and potential V/STOL transports. Loose-leaf changes will be issued periodically.

✓ **PROJECT LONG LOOK—REPORT OF THE AVIATION HUMAN RESOURCES STUDY BOARD ON MANPOWER REQUIREMENTS OF THE CIVIL AVIATION INDUSTRY.** September 1964. (\$1.00—GPO)

A report encompassing the major aspects of civil aviation manpower resources. Included is an inventory of current highly skilled civil aviation personnel, a projection of requirements from 1964 through 1980 and recommendations for actions pertinent to the continued growth and development of civil aviation in the U.S.

✓ **QUALITY CONTROL DIGESTS.**

This series was established to aid FAA inspectors in non-destruction testing. Digest Numbers 1 through 4 are out of print; only the following is available:

Digest No. 5 Bonding Inspection. 1960. (40¢—GPO)

✓ **RADIOLOGICAL PROTECTION AND DECONTAMINATION OF CIVIL AIRCRAFT.** November 1962. (65¢—GPO)

This manual establishes measures, precautions, and guidelines to be observed by operating and maintenance personnel in the identification and handling of aircraft, aircraft engines, and parts, before and after exposure to radioactive fallout.

✓ **REPORT OF THE PROCEEDINGS—FIRST ANNUAL INTERNATIONAL AVIATION RESEARCH AND DEVELOPMENT SYMPOSIUM.** April 10-14, 1961. (Free—FAA)

This first annual symposium was convened to bring together representatives of all those groups, government and non-government, national and international, interested in advancing or improving the scientific aspects of air transportation. Includes reprints of all papers and panel discussions presented.

✓ **SAFETY IN CONSTRUCTION AND ALTERATION WORK.** AD P-3900.1. November 5, 1962. (45¢—GPO)

This handbook includes FAA's safety requirements for all construction and repair work performed for the Agency under contract. These provisions also apply to FAA personnel performing such work.

✱ **SOUNDS OF THE TWENTIETH CENTURY.** (15¢—GPO)

The concern of the FAA for the noise problems created by modern aircraft, particularly turbine-powered types, is explained in this booklet.

SPECIFICATIONS.

The aircraft, engine and propeller specifications subscriptions are available from the Government Printing Office and consist of the basic sets plus monthly supplementary service for approximately 1 year.

Aircraft Specifications. (\$20.00 domestic; \$25.00 foreign. Renewal subscription \$7.00 domestic; \$8.25 foreign—GPO)

Aircraft Engine & Propeller Specifications & Type Certificate Data Sheets. (\$8.00 domestic; \$10.00 foreign. Renewal subscription \$2.00 domestic; \$2.25 foreign—GPO)

✓ **UNITED STATES CIVIL AIRCRAFT REGISTER.** AC 20-6. June 1, 1963. (\$5.25—GPO) AC 20-6A. January 1, 1964. (\$6.00—GPO). AC 20-6B. June 1, 1964. (\$7.00—GPO)

This is a register of active civil aircraft, listed by registration number, and showing name and address of owner, manufacturer's serial number, make, model, year of manufacture, and type of aircraft.

✓ **UNITED STATES MANUAL OF CRITERIA FOR STANDARD INSTRUMENT APPROACH PROCEDURES.** Third Edition. September 1, 1956. (55¢—GPO)

This manual contains the criteria used in the preparation, approval and promulgation of instrument approach procedures within the U.S., its possessions, and at any location over which a U.S. agency exercises jurisdiction.

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