ORDER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

1720.23C

9/26/84

SUBJ: DISTRIBUTION OF AERONAUTICAL CHARTS AND RELATED FLIGHT INFORMATION PUBLICATIONS

1. PURPOSE. This order prescribes the standards for distribution and the procedures for FAA users to follow when requisitioning aeronautical charts and related flight information publications from the National Ocean Service (NOS), the Defense Mapping Agency (DMA), the Canada Map Office, the FAA, and other organizations.

TABLE OF CONTENTS

Distribution: A-WXYZE-3; A-FOF-0 (LTD); ZMS-328

Initiated By: ATO-210

2. DISTRIBUTION. This order is distributed to branches and above in Washington Headquarters, regional offices, the Aeronautical Center, and the Technical Center; to all distribution officers and representatives; and limited distribution to all field offices and facilities.

3. CANCELLATION. Order 1720.23B, Distribution of Aeronautical Charts and Related Flight Information Publications, dated 10/22/79, is canceled.

4. OBJECTIVE. Aeronautical charts and related flight information publications are designed to provide the information necessary for the safe and efficient movement of aircraft in the National Airspace System (NAS). The objective of this program is to assure that FAA users will have the current aeronautical charts and related flight information publications they need when they need them.

5. BACKGROUND.

a. National Ocean Service (NOS) and Defense Mapping Agency (DMA) are the only Federal producers and distributors of aeronautical charts and related publications. FAA provides the requirements, the specifications, and the airspace information used in preparing those products for civil use. An Interagency Air Cartographic Committee (IACC) coordinates the FAA/NOS/DMA process to avoid unnecessary duplication.

b. Under IACC purview, NOS is responsible for fulfilling the civil and the joint civil-military requirements within the domestic United States and the civil requirements outside the domestic United States. DMA is responsible for fulfilling the military requirements, both domestic and worldwide. DMA's domestic United States cartographic functions are limited to applying military information to NOS reproducible materials and to preparing special military charts.

c. NOS sells its products (Appendix 1) and certain DMA products to civil users and to other Government agencies, including the FAA.

d. DMA distributes, free-of-charge or on a reimbursable basis, most of its products (Appendices 2 and 3) and certain NOS and Canadian products to DOD users and other agencies within the Executive Branch of the United States Government, including the FAA.

e. Because both NOS and DMA must distribute their many products to wide audiences, they use their own computerized mailing systems (DMA uses two completely separate ADP systems) to ship the requisitioned number of their specific products directly to their respective customers.

f. The Canada Map Office of the Canadian Department of Energy, Mines and Resources is the sole producer and distributor of Canadian aeronautical charts and related flight information publications. It also uses an ADP mailing system. The Canada Map Office sells its products (Appendix 4) to civil users and to agencies of the United States Government, including the FAA.

g. FAA produces and distributes certain flight-related information publications (Appendix 5), which are available under normal distribution procedures. They are also discussed here.

h. Other Government agencies, such as the U.S. Geological Survey, produce and distribute non-aeronautical maps and charts (Appendix 6) that may be ordered by FAA users.

i. International Civil Aviation Organization (ICAO) produces and disseminates publications about its policies and activities. Order 1720.24 contains the procedures for ordering ICAO publications.

6. EXPLANATION OF CHANGES. There are two significant changes in this revision:

a. Except for the provisions in paragraph 8.b.(6), distribution officers may request all NOS-produced aeronautical products directly from NOS. They need not come through ATO-210 as was the case for CARF charts, controller charts, or airport obstruction charts.

b. Standards have been described for the requisition of specific aeronautical charts that are used by stations, towers, and centers. Whenever those standards are exceeded, the requesting air traffic manager must send a justification to the regional air traffic division manager for approval.

7. PROGRAM.

a. Any organizational element of the FAA may submit a requisition to its servicing distribution officer for aeronautical charts and related flight information publications that are distributed by --

(1) NOS (Appendix 1);
(2) DMA (Appendices 2 and 3);
(3) Canada Map Office (Appendix 4);
(4) FAA (Appendix 5); and
(5) Other organizations (Appendix 6).

b. The requisition may be for a subscription to a specific product or products, it may be for varying quantities, or it may be for a one-time delivery--whatever is necessary to meet the FAA-user's needs.

c. Because the FAA must purchase or provide exchange material for all the charts and the related flight information publications it orders, every effort must be made to hold the quantities to a minimum consistent with the job to be accomplished.

d. Except for the provisions in paragraph 8.b.(6), the servicing distribution officer shall process and forward each user's request to the appropriate chart producer.

8. RESPONSIBILITIES.

a. The Airspace-Rules and Aeronautical Information Division, ATO-200, is responsible for --

(1) Developing and monitoring the procedures for the requisition of aeronautical charts and related flight information publications by the FAA;

(2) Programming, budgeting, and establishing the contracts necessary to satisfy FAA's needs for charts and related products produced by NOS, DMA, and the Canada Map Office. All other maps and charts that are required by the FAA, but not distributed by those three producers, shall be budgeted for and purchased by the user's distribution officer or, in the case of Washington Headquarters users, by the user's office or service;

(3) Reviewing the accuracy of the requests for aeronautical charts and related flight information publications received from Washington Headquarters users;

(4) Reviewing requests for aeronautical charts and related products that are received from non-FAA users; i.e., DOD, FBI, NTSB, and so forth;

(5) Endorsing the request forms (Appendix 7) received from Washington Headquarters and non-FAA users and forwarding the forms to NOS or DMA;

(6) Ordering and reimbursing the Canada Map Office for maps, charts, and related publications that are required by the FAA; and

(7) Maintaining a master file of Washington Headquarters subscribers to those products that are automatically distributed by NOS and DMA (Appendices 1, 2, and 3). This file shall also include those subscribers, such as military or overseas FAA users, who are serviced by Washington Headquarters. At a minimum the file should contain the subscriber's routing symbol, the subscription number (note: DMA refers to it as an "account" number), the distributing agency, the names of the products (refer to the appendices), and the number of copies of each product.

b. The regional offices', the Aeronautical Center's, and the Technical Center's distribution officers are responsible for:

(1) Providing the primary points of contact between FAA and NOS/DMA;

(2) Maintaining a master file of their subscribers -- headquarters, field offices, and field facilities -- to those products that are automatically distributed by NOS, DMA, and the Canada Map Office. The file should contain the subscriber's routing symbol, the subscription or account number, the distributing agency, the names of the products, and the number of copies of each product;

(3) Reviewing the accuracy of the request forms for aeronautical charts and related flight information publications;

(4) Endorsing the request forms and forwarding them to NOS or DMA;

(5) Assuring that the regional Air Traffic Division has approved the request when a facility must justify a deviation from the standards described in paragraphs 9.b., c., and d.

(6) Forwarding to ATO-210 all requests for:

(a) Aeronautical charts and related products that are received from non-FAA users; i.e., DoD, FBI, NTSB, and so forth;

(b) Controller Chart Supplements that are received from other than ARTCC's and Automated Flight Service Stations (AFSS's);

(c) Facilities and Operations Maps; and

(d) Canada Map Office products.

(7) Purchasing maps and charts other than those distributed by NOS, DMA, or the Canada Map Office that are required by their associated headquarters, field offices, and field facilities;

(8) Maintaining an adequate backup shelf stock of aeronautical charts and related products as described in paragraph 9.g.

(9) Maintaining appropriate chart catalogs, which are available from the producers, in order to provide assistance when required;

(10) Processing complaints as described in paragraph 15; and

(11) Participating in annual canvasses as described in paragraph 16.

c. FAA users are responsible for:

(1) Maintaining current aeronautical charts and related flight information publications that have an operational impact;

(2) Submitting their requests for these products to their distribution officers;

(3) Ordering no more of these products than are operationally required as described in paragraphs 9. and 10.;

(4) Certifying that the requested products are necessary for the conduct of official FAA business; and

(5) Forwarding a request with justification to their regional Air Traffic Division for approval when an air traffic facility must deviate from the standards described in paragraphs 9.b., c., and d.

d. Regional Air Traffic Divisions are responsible for approving an air traffic facility's request to deviate from the standards described in paragraphs 9.b., c., and d. After approval, the division shall initial the request and forward it to the distribution office.

9. SPECIFIC PRODUCTS.

a. The standards for the requisition of specific aeronautical charts and related products for the day-to-day operation of contiguous U.S. air traffic facilities are listed below. Air traffic facilities outside the contiguous U.S. have unique requirements and need not adhere to these standards.

NOTE: The phrase "area plus 100 miles" means that when a chart or a publication does not cover the area out to 100 miles from the boundary of the airspace for which a facility is responsible, both under normal conditions and as described in the facility's contingency plans, the adjoining chart or publication may be ordered.

b. ARTCC's:

(1) Planning Charts (VFR/IFR Wall Planning Chart, Flight Case Planning Chart, Gulf of Mexico and Caribbean Planning Chart, and the North Atlantic Route Chart)--as needed for operational or planning purposes;

(2) Sectional Charts--The center's area plus 100 miles;

(3) VFR Terminal Area Charts--The center's area plus 100 miles;

(4) World Aeronautical Charts--The center's area plus 100 miles;

(5) Enroute Low Altitude, Enroute High Altitude, and Area Charts--One set of each and any other individual charts needed to cover the center's area plus the adjacent center's area;

(6) VFR Helicopter Charts--The center's area plus 100 miles;

(7) Standard Instrument Departure Charts--The center's area;

(8) Standard Terminal Arrival Charts--The center's area;

(9) Instrument Approach Procedures--The center's area;

(10) Airport/Facility Directories--The center's area;

(11) Controller Chart Supplements--As needed for operational purposes;

(12) Controller Charts, Area Controller Charts, and High Altitude Controller Charts--The center's area plus 100 miles; and

(13) ATC Command Center Charts--As needed for operational or planning purposes.

c. Approach Control Facilities and ATCT's:

(1) Planning Charts (VFR/IFR Wall Planning Chart, Flight Case Planning Chart, Gulf of Mexico and Caribbean Planning Chart, and the North Atlantic Route Chart)--As needed for operational or planning purposes;

(2) Sectional Charts--The facility's area;

(3) VFR Terminal Area Charts--The facility's area;

(4) World Aeronautical Charts--The facility's area;

(5) Enroute Low Altitude, Enroute High Altitude, and Area Charts--One set of each and any individual charts needed to cover the facility's area plus 100 miles;

(6) VFR Helicopter Charts--The facility's area plus 100 miles;

(7) Standard Instrument Departure Charts--The facility's area plus 100 miles;

(8) Standard Terminal Arrival Charts--The facility's area;

(9) Instrument Approach Procedures--The facility's area;

(10) Airport/Facility Directories--The facility's area;

(11) Controller Charts, Area Controller Charts, and High Altitude Controller Charts--The facility's area.

d. FSS's:

(1) Planning Charts (VFR/IFR Wall Planning Chart, Flight Case Planning Chart, Gulf of Mexico and Caribbean Planning Chart, and the North Atlantic Route Chart)--As needed for operational or planning purposes;

(2) Sectional Charts--As needed for operational purposes; normally, the station's flight service or flight watch area plus 100 miles;

(3) VFR Terminal Area Charts--The station's flight service or flight watch area plus 100 miles;

(4) World Aeronautical Charts--The station's flight service or flight watch area plus 100 miles;

(5) Enroute Low Altitude, Enroute High Altitude, and Area Charts--One set of each and any other individual charts needed to cover the station's flight service or flight watch area plus 100 miles;

(6) VFR Helicopter Charts--The station's flight service or flight watch area plus 100 miles;

(7) Standard Instrument Departure Charts--The station's flight service or flight watch area plus 100 miles;

(8) Standard Terminal Arrival Charts--The station's area;

(9) Instrument Approach Procedures--The station's flight service or flight watch area plus 100 miles;

(10) Airport/Facility Directories--As needed for operational purposes;

(11) Controller Chart Supplements--As needed by automated stations for operational purposes;

(12) Military Training Routes, North and South America (AP/IB)--As needed for operational purposes; and

(13) Canadian VFR Supplement--One book.

e. The standards for the requisition of specific aeronautical charts and related products for the day-to-day operation of Airports offices, Airway Facilities offices, Civil Aviation Security offices, Flight Inspection offices, and Flight Standards offices should be limited to those for which an operational need has been established.

f. FAA users at the Washington and the regional headquarters, the Aeronautical Center, and the Technical Center must finely tune their needs and be able to justify their requirements for aeronautical charts and related products.

g. Distribution officers should exercise prudent judgment and periodically analyze their total requirements to assure that their shelf stock is valid and consistent with operational requirements.

10. QUANTITIES.

a. It is important that FAA users have an adequate number of those aeronautical charts and related products needed to meet their operational requirements. However, it also is important that agency resources not be wasted on an unnecessary number of products. For example, if products are being thrown away at the reissuance interval, the subscription should be reduced; or if a specific chart or volume is required, that specific chart or volume should be ordered rather than a whole set. In addition, certain training needs or staff studies may be accomplished by using outdated charts or by ordering them on a one-time basis.

b. Quantities requisitioned should not exceed those which are clearly required for operational purposes as certified by the facility or branch manager.

c. Furthermore, it may be illegal to give away charts and related products to non-Federal users. FAA's Office of Chief Counsel has stated, "The giving away free-of-charge charts published by NOS is beyond the scope and authority granted to the FAA Administrator by the Federal Aviation Act of 1958."

d. Also, the FAA does not have the authority to give away free-of-charge DMA-produced charts and related products.

11. ORDERING NOS/DMA PRODUCTS.

a. FAA Forms 1720-22, 1720-23, and 1720-24 (Appendix 7) are an integral part of the FAA's distribution system. Use these forms whenever you want to start or cancel a subscription; to add a product or products; to increase, decrease, or cancel a product; to make a one-time request; or to change an address.

b. Recipients are cautioned not to confuse their subscription numbers.

(1) NOS assigns "Subscription" numbers.

(2) DMA assigns "Account" numbers.

(3) In addition, DMA has two separate distribution organizations--an Aerospace Center (DMAAC) in St. Louis, Missouri, and an Office of Distribution Services (DMAODS) in Washington, D.C. -- each of which handles different products, uses different computer systems, and assigns different "Account" numbers.

c. Use FAA Form 1720-22 for NOS-distributed products (see Appendix 1).

d. Use FAA Form 1720-23 for DMAAC-distributed products (see Appendix 2).

e. Use FAA Form 1720-24 for DMAODS-distributed products (see Appendix 3).

f. Since the information from these forms will be transferred to keypunch cards, use one form for each action as follows:

(1) To start a subscription, check the "New Subscription" or the "New Account" box, type or print the complete mailing address (include a routing symbol, but exclude personal names) in the address section. If possible, do not use Post Office box numbers because some of the products may be shipped by other than the U.S. Postal Service. Enter the number of copies requested on the line to the left of the specific product or products.

(2) To cancel an entire subscription, enter the subscription/account number in the upper right-hand box and check the "Cancel Subscription/Account" box.

(3) To add one or more new products to the subscription, enter the subscription/account number, check the "Add Product" box, and enter the number of copies requested on the line to the left of the product/s.

(4) To cancel one or more products from a subscription, enter the subscription/account number, check the "Cancel Product" box, and check the line/s adjacent to the product/s to be cancelled.

(5) To make a one-time request, check the "One-Time" box, type or print the address (include a routing symbol, but exclude personal names) in the address section, and enter the number of copies requested on the line/s to the left of the specific product/s. (It is not necessary to enter the subscription/account number on one-time requests.)

(6) To either increase or decrease the number of products being received, enter the subscription/account number, check the "Change-Quantity" box, and enter the new total number of copies requested on the line/s to the left of the specific product/s. Do not enter the additional number of copies, just the total.

(7) To change an address, enter the subscription/account number, check the "Change--Address" box, and type or print the new address in the address section.

g. If flat (nonfolded) copies of individual charts are wanted, type or print "FLAT" directly on the form adjacent to the appropriate product/s.

h. If translucent copies of Sectional Charts are wanted, type or print "TRANSLUCENT" directly on the form adjacent to the appropriate product.

i. An approving official--managers or their designated representatives--shall sign each form. This certifies that the requested products are necessary for official FAA business.

j. Send each form to your servicing distribution officer. FAA Headquarters elements shall send their forms to ATO-210.

k. The servicing distribution officer, or ATO-210, shall review the forms for accuracy, sign them, and send them to the distribution point below:

(1) FAA Form 1720-22, NOS products--

National Ocean Service
Distribution Branch, N/CG33
Riverdale, Maryland 20737

Telephone: FTS 436-6993
Commercial 301-436-6993

(2) FAA Form 1720-23, DMAAC products--

DMA Aerospace Center
ATTN: GADF
3200 South Second Street
St. Louis, Missouri 63118
Telephone: FTS 273-8331
Commercial 314-263-8331

(3) FAA Form 1720-24, DMAODS products--

Defense Mapping Agency Office of Distribution Services
Distribution Control Point, DDCP
Washington, D.C. 20315
Telephone: Commercial 202-227-2495

l. NOS and DMA will process only those forms that have been signed by either a distribution officer or ATO-210. All unsigned forms will be returned.

m. When a product is required in less than 10 working days, a one-time telephone request may be made by the servicing distribution officer to NOS, DMAAC, or DMAODS using the telephone numbers listed in paragraph 11.k.

12. ORDERING CANADIAN PRODUCTS.

a. Order Canadian aeronautical products that are listed in Appendix 4 from your servicing distribution officer. Washington Headquarters users shall order from ATO-210.

Note: The Canada and North Atlantic Enroute Low Altitude charts (ELCN), the Enroute High Altitude charts (EHCN), the Terminal Low Altitude charts (TLCN), the Terminal High Altitude charts (THCN), the Terminal Area charts (T1), and the Flight Supplement (ESCN) shall be ordered from DMAAC.

b. The servicing distribution officers shall forward all requests for Canadian Products, other than those noted in paragraph 12.a., to ATO-210.

Airspace-Rules and Aeronautical Information Division, ATO-200
Federal Aviation Administration
800 Independence Avenue, SW.
Washington, D.C. 20591
Telephone: FTS - 426-8948
Commercial - (202) 426-8948

c. ATO-210 shall order and purchase the requested products from the Canada Map Office.

13. ORDERING CERTAIN FAA-PRODUCED FLIGHT INFORMATION PRODUCTS. Adhere to normal FAA distribution procedures when ordering the FAA Products that are listed in Appendix 5.

14. ORDERING OTHER PRODUCTS.

a. Other products, such as the U.S. Geological Survey's Topographic Maps listed in Appendix 6, shall be ordered and purchased by the servicing distribution office, or in the case of Washington Headquarters users, by the individual office or service.

b. The procedures for ordering International Civil Aviation Organization (ICAO) publications are contained in Order 1720.24, Distribution of ICAO Publications.

15. COMPLAINTS.

a. When products are received in damaged condition or incorrect numbers, late, or not at all, forward your complaint to your servicing distribution officer. Washington Headquarters users shall complain to ATO-210, telephone: 426-8948.

b. For NOS, DMAAC, or DMAODS products, the servicing distribution officer, or ATO-210, shall telephone the complaint to the appropriate producer listed in paragraph 11.k.

c. For Canadian products, telephone the complaint to ATO-210.

d. Provide sufficient information--subscription/account number, name/series/quantity ordered, mailing label, problem (late, damaged, etc.) to enable follow-up corrective action.

16. ANNUAL CANVASS.

a. In order to eliminate waste in Government funds caused by publications being improperly addressed or mailed to persons no longer desiring them, the Joint Committee on Printing Regulations requires all agencies to make the necessary revisions to their mailing lists at least once a year.

b. At least semiannually, NOS and DMAAC will provide distribution officers, including ATO-210, a computer printout of the number of the specific products subscribed by each subscriber.

c. These printouts will form the basis of the distribution officers' records, which shall be kept current.

d. Once a year, preferably in April, ATO-210 will conduct a canvass as stated in paragraphs 6.a.(8) and 24 of FAA Order 1720.18B, FAA Distribution System.

e. FAA users shall review, update, and certify that their requirements are necessary for the conduct of official FAA business.

f. Failure to respond to the annual canvass will result in the user's being dropped; i.e., deleted, from the distribution system.

g. Using the canvass returns, the distribution officers shall update their master files and send any corrections to NOS/DMAAC/DMAODS.

R. J. VAN VUREN
Associate Administrator for Air Traffic

APPENDIX 1. NATIONAL OCEAN SERVICE (NOS) PRODUCTS

The products listed in this appendix are produced by NOS. A complete description of most of these products is contained in the NOS "Catalog of Aeronautical Charts and Related Publications." You may request NOS to put you on their mailing list for that catalog, which is revised annually. For your convenience the contents of this appendix are listed here, and an alphabetical index can be found at the end of the appendix. (The letters in parentheses are NOS computerized product codes.)

CONTENTS

VFR/IFR Wall Planning Charts (WPC VFR/IFR) provide large-scale wall charts for VFR and IFR preflight planning. Flat charts are available. Scale 1:2,333,232 (1 inch = 32 nmi).

Flight Case Planning Charts (FCP FLT CASE) provide aeronautical information for preflight and enroute planning of VFR flights. Flat charts are available. Scale 1:4,374,803 (1 inch = 60 nmi).

Gulf of Mexico and Caribbean Planning Charts (LOC PR FOLD) provide aeronautical information for VFR preflight planning for most of Mexico, the Gulf of Mexico, the Caribbean, Central America, and part of northern South America. The back of this chart is the Puerto Rico-Virgin Islands Terminal Area Chart. Scale 1:6,270,551 (1 inch = 86 nmi).

Sectional Charts (SEC) provide topographic and aeronautical information for VFR navigation by slow-to-medium-speed aircraft. Flat charts are available. Also, a special printing on one side of translucent, untrimmed paper is available at the time a sectional chart is printed. No shelf stock of the translucent charts is maintained. Scale 1:500,000 (1 inch = 6.86 nmi).

VFR Terminal Area Charts (TAC) provide aeronautical information for VFR navigation in terminal control areas (TCA's), Anchorage, Puerto Rico, and the Virgin Islands. The Honolulu TCA is depicted on the back of the Hawaiian Islands Sectional chart. Flat charts are available. Scale 1:250,000 (1 inch = 3.43 nmi).

World Aeronautical Charts (WAC) provide a standard series of aeronautical charts which cover the land areas of the United States, Alaska, Mexico, the Gulf of Mexico, and the Caribbean at a size and scale convenient for navigation by moderate-speed aircraft. Flat charts are available. Scale 1:1,000,000 (1 inch = 13.7 nmi).

Enroute Low Altitude Charts--United States (ELUS) provide aeronautical information for IFR en route navigation in the low altitude stratum (below 18,000 feet). An Area chart is included with every subscription. Flat charts are available. Scale varies from 1:583,307 to 1:1,458,267 (1 inch = 8 to 20 nmi).

Area Charts (AREA) provide at a larger scale the terminal data found on the ELUS charts. A subscription to any of the ELUS charts automatically includes the same number of Area charts. However, Area charts can be ordered as a subscription that is separate from the ELUS. Flat charts are available. Scale varies from 1:364,567 to 1:583,307 (1 inch = 5 to 8 nmi).

VFR Helicopter Chart of Los Angeles and Vicinity (HEL LOS) provides the principal, secondary, and military helicopter routes. It also includes pictorial graphics of distinctive features that are easily recognizable from the air. Scale 1:145,827 (1 inch = 2 nmi).

VFR Helicopter Chart of the United States Gulf Coast Area (HEL GULF) shows offshore mineral leasing areas and blocks, oil drilling platforms, and high density helicopter activity areas in and around the Gulf of Mexico. Scale 1:500,000 (1 inch = 6.86 nmi).

Enroute High Altitude Charts-- United States (EHUS) provide aeronautical information for IFR en route navigation in the high altitude stratum (flight level 180 and above). Flat charts are available. Scale 1:2,807,165 (1 inch = 38.5 nmi).

Enroute Low Altitude Charts--Alaska (AK) provide aeronautical information for IFR en route navigation in the low altitude stratum (flight level 180 18,000 feet). Area charts are included for Anchorage, Fairbanks, Juneau, Prodhue Bay, and Vancouver. A Route Selection Chart (scale 1 inch = 45 nmi) is also included on Chart L-2. Flat charts are available. Scale 1:2,187,402 (1 inch = 30 nmi).

Enroute High Altitude Chart--Alaska (AK) provides aeronautical information for IFR en route navigation in the high altitude stratum (flight level 180 and above). A North Pacific Inset Chart (scale 1 inch = 90 nmi) is included on Chart H-1. Flat charts are available. Scale 1:3,281,102 (1 inch = 45 nmi).

Standard Instrument Departure Charts (SID) expedite clearance delivery and facilitate the transition between takeoff and IFR en route operations.

Standard Terminal Arrival Charts (STAR) expedite IFR arrival procedures and facilitate the transition between en route and approach operations. Profile Descent Charts are included in the book.

Alaska Terminal Publication (ATP) depicts all the terminal procedures--instrument approach procedures, SID's, STAR's, airport taxi diagrams, radar minimums, and supplementary supporting information--in the State of Alaska for military and civil aviation.

Alaska Chart Supplement (ACS) is a joint civil-military publication, which contains an airport/facility directory of all the airports shown on the Enroute Charts and information about communications data, navigation aids, and special notices applicable to Alaska.

Pacific Chart Supplement (PCS) contains an airport/facility directory of all the airports open to the public, instrument approach procedures, SID's, STAR's, and information about communications data, navigation aids, and special notices that are applicable to Hawaii and that area of the Pacific served by U.S. facilities.

Instrument Approach Procedure Charts (IAP) portray the aeronautical data that are required to execute an instrument approach to an airport in the 48 States, Puerto Rico, and the U.S. Virgin Islands. (IAP's for Alaska are in the ATP, and those for Hawaii are in the PCS.) A Change Notice is included with every subscription, or it may be ordered separately.

Airport/Facility Directory (AFD) serves as a pilot's operational manual and contains information about airports, seaplane bases, heliports, communications, navigation aids, and special notices.

ATC Command Center Charts (ATC-SCCC), also known as CARF Charts, are designed to aid in the plotting of large-scale military exercises by the Central Altitude Reservation Facility and the ATC Command Center. They are not to be used for navigation. Scale varies from 1:2,000,000 to 1:5,000,000 (1 inch = 27.3 to 68.6 nmi).

Controller Charts--U.S. (CC) are designed to provide air traffic controllers a ready graphic presentation of the airspace environment. These charts are printed on one side of translucent paper, which permits backlighting in ATC facilities. They are not to be used for navigation. Scale 1:500,000 (1 inch = 6.86 nmi).

Area Controller Charts (CC A) are part of the Controller Chart series. Scale 1:1,500,000 (1 inch = 20.57 nmi).

Controller Charts--Alaska (CC ALA) are part of the Controller Chart series. Scale varies from 1:1,000,000 to 1:3,000,000 (1 inch = 13.7 to 41.1 nmi).

High Altitude Controller Charts--U.S. (CC HA) are part of the Controller Chart series. Scale 1:1,680,000 (1 inch = 23 nmi).

North Atlantic Route Charts (NARC) is a new series designed to provide either a 42" x 60" or a 21" x 30" wall map of the entire North Atlantic Ocean area. Scale is either 1:5,500,000 (1 inch = 75 nmi) or 1:11,000,000 (1 inch = 150 nmi).

Airport Obstruction Charts (OC) show runways, taxiways, obstructions, airport facilities, prominent frequently traveled roads and railroads close to an airport, and the approach, horizontal, conical, and transitional surface limits specified in FAR Part 77.25. These charts are engineering drawings and are not to be used for navigation. (You may request that NOS put you on their mailing list for the separate catalog entitled "Latest Editions, Airport Obstruction Charts," which is revised quarterly.) Scale 1:12,000 (1 inch = 0.165 nmi).

Controller Chart Supplements (CCS) support the en route automation effort by providing tables of the latitude and longitude of navigational aids, fixes, and radars. They are available to ARTCC's and automated flight service stations. They are also available to other facilities which have a need, but only after having received approval from ATO-200. Order from ATO-200.

Facilities and Operations Maps are a series of maps that depict combinations of FAA facilities, such as ARTCC's, FSS's, ATCT's, NAVAID's, and radars, along with the boundaries of ARTCC's and regions. Scale 1:4,400,000 (1 inch = 60 nmi). They can be ordered from ATO-210 on a one-time basis only. Subscription service is not available.

Except for the Controller Chart Supplements and the Facilities and Operations Maps, send all orders to:

National Ocean Service
Distribution Branch, N/CG33
Riverdale, MD 20737
Telephone: FTS - 436-6993
Commercial - (301) 436-6993

NOS PRODUCTS

INDEX

APPENDIX 2. DEFENSE MAPPING AGENCY AEROSPACE CENTER (DMAAC) PRODUCTS

The products listed in this appendix are known as Flight Information Publications (FLIP) and are available from DMAAC in St. Louis, MO. FLIP's were developed from the concept that different information is required for the three basic phases of flight--preflight planning, terminal operations, and en route operations. Hence, FLIP's consist of the planning booklets and charts, the terminal publications, and the en route charts and supplements. Furthermore, FLIP's are designed to serve only the military requirements throughout the world. They do not include all the information or procedures that are available, but only those required for specific military operations. A complete description of the FLIP's is contained in DMA's "Catalog of Maps, Charts and Related Products; Part 1, Aerospace Products; Volume I, Aeronautical Charts, Flight Information Publications and Related Products." (See Appendix 3 for a description of the catalog.) For your convenience the contents of Appendix 2 are listed here, and an alphabetical index can be found at the end of the appendix. (The letters in parentheses are DMAAC's computerized product codes.)

CONTENTS

CONTENTS (Continued)

Flight Information Handbook (FIH) contains aeronautical information that is required by DoD aircrews in flight but is not subject to frequent change. The information includes emergency procedures, international flight data and procedures, meteorological information, conversion tables, standard time signals, and interception signals.

Planning Document consists of four separate sections of eight booklets and six charts, which are intended for use at the base, squadron, or unit operations offices.

General Planning (GP) section is one booklet containing general information which helps the users plan their flights to any destination in the free world. This booklet provides an alphabetical list of the information in all the FLIP's; an explanation of terms, abbreviations, and NOTAM codes; a description of U.S. airspace; a listing of flight plans and instructions for their use; standard pilot procedures when operating under FAA or ICAO control; general information about ICAO rules, regulations, and procedures; procedures for operations and gunnery exercises over the high seas; information about weather codes; a tabulation of aircraft approach categories and aircraft identification codes; Loran/Omega chart coverage; a general outline of each publication in the FLIP program, including information about corrections, requisitions, distribution, and schedules; and a description of the airport diagrams, the Foreign Clearance Guide, and the DMA Catalog of Maps, Charts, and Related Products, Part 1, Volume I.

Area Planning (AP/) section is published in three separate booklets, each of which contains planning and procedural information for a specific area of the world; i.e., North and South America (AP/1); Europe, Africa and Middle East (AP/2); and Pacific, Australasia and Antarctica (AP/3).

Special Use Airspace (AP/ A) section is also published in three separate booklets. Each booklet contains a tabulation of prohibited, restricted, danger, warning, alert, intensive student jet training, military training, and known parachute jumping areas for the same three geographical areas; i.e., North and South America (AP/1A); Europe, Africa and Middle East (AP/2A); and Pacific, Australasia and Antarctica (AP/3A).

Military Training Routes (AP/ B) section is one booklet which contains such information as route designations, originating/scheduling units, effective dates, hours of operation, route descriptions, and special operating procedures about IFR military training routes (IR's), VFR military training routes (VR's), slow-speed, low-altitude routes (SR's), refueling tracks/anchors, and avoidance locations in North and South America (AP/1B). This section also includes six charts which depict the IR's, the VR's, and the SR's in the northern and southern halves of the eastern, the central, and the western conterminous United States and portions of Canada and Mexico. Scale 1:2,188,800 (1 inch = 30 nmi).

Enroute and Terminal Publications are designed to provide airway structure, radio navigation, letdown, approach, and landing information for use worldwide during the in-flight phase of IFR operations. A brief description of each publication is given below under a specific area of the world.

AFRICA (A)--

Enroute High and Low Altitude Charts (EHLA) portray the airway system and related data required for IFR operations at all altitudes. Island insets include Ascension and Cape Verde. A blowup of the Johannesburg area is also included.

Terminal High and Low Altitude Charts (THLA) contain instrument approach procedures with aerodrome sketches, airfield diagrams, and radar instrument minimums (as available).

Enroute Supplement (ESIA) contains an alphabetical IFR/VFR aerodrome/facility directory and special notices and procedures required to support the enroute and terminal charts.

CANADA AND NORTH ATLANTIC (CN)--

Enroute Low Altitude Charts (ELCN) portray the airway system and related data required for IFR operations up to but not including 18,000 feet. Supporting charts T-1 and T-2 contain blowups of certain terminal areas.

Enroute High Altitude Charts (EHCN) portray the airway system and related data required for IFR operations at and above 18,000 feet.

Terminal Low Altitude Charts (TLCN) contain instrument approach procedures with aerodrome sketches, airfield diagrams, and radar instrument approach minimums.

Terminal High Altitude Charts (THCN) contain instrument approach procedures for high performance aircraft with aerodrome sketches, airfield diagrams, and radar instrument approach minimums.

Flight Supplement (ESCN) is an amalgamation of the IFR, the VFR, and the Northern Supplements. It contains an aerodrome/facility directory, and sections on planning, navigation and communications, military procedures, and emergency procedures.

CARIBBEAN AND SOUTH AMERICA (CS)--

Enroute Low Altitude Charts (ELCS) portray the airway system and related data required for IFR operations at flight levels as designated in the area for this route structure. Insets are included for Charleston-Bermuda-San Juan and Ascension, Fernando de Noronha, and Galapagos Islands. Area Charts, which portray the airway structure and related data required for IFR operations in selected terminal areas, are also available.

Enroute High Altitude Charts (EHCS) portray the airway system and related data required for IFR operations at flight levels as designated in the area for this route structure and also for direct flights at high altitude.

Terminal High and Low Altitude Charts (THLCS) contain instrument approach procedures with aerodrome sketches, airfield diagrams, instrument departures, and radar instrument approach minimums.

Enroute Supplement (ESIC) contains an alphabetical aerodrome/facility directory, aerodrome sketches, VFR data to meet DoD requirements, special notices, cruising altitudes/flight levels, position reporting, and procedures required to support the enroute and area charts.

EUROPE, NORTH AFRICA AND MIDDLE EAST (ENAME)--

Enroute Low Altitude Charts (ELEN) portray the airway system and related data required for IFR operations at flight levels as designated in the area for this route structure. Insets for the Azores, Jan Mayen, and Iceland as well as blowups for the Iceland area and the Berlin area are included. Supporting charts T-1 through T-4 contain arrival and departure routes for thirty selected terminal areas are also included.

Enroute High Altitude Charts (EHEN) portray the airway system and related data required for IFR operations at flight levels as designated in the area for this route structure and also for direct flight at high altitude. Insets for the Azores, Iceland, and Jan Mayen are included.

Terminal Low Altitude Charts (TLE) contain instrument approach procedures with aerodrome sketches and radar instrument approach minimums.

Terminal High Altitude Charts (THE) contain instrument approach procedures with aerodrome sketches for high performance aircraft and radar instrument approach minimums.

Instrument Departures, High and Low Altitude (ID Low/High ENA & ME) contain all the DoD instrument departures in Europe, North Africa, and the Middle East.

VFR Arrival and Departure Routes--Europe (VFR Arr & Dep RT Europe) is designed to satisfy the DoD requirement for established VFR arrival and departure routings.

Enroute Supplement (ESIE IFR Sup) contains an alphabetical IFR/VFR aerodrome/facility directory, aerodrome sketches, special notices, and procedures required to support the enroute and the terminal area charts.

Wall Planning Chart, Low Altitude (WP Chart Europe Low) and Wall Planning Chart, High Altitude (WP Chart Europe High) contain a limited amount of information necessary for preflight planning such as airways, radio navigation aids, primary aerodromes, and an index to the enroute low and high altitude charts. Scale 1:3,864,402 (1 inch = 53 nmi) with a separate blowup of heavily trafficked areas at 1:2,187,402 (1 inch = 30 nmi).

PACIFIC, AUSTRALASIA and ANTARCTICA (PAA)--

Enroute High and Low Altitude Charts (EPAA) portray the airway system and related data required for IFR operations at various altitudes as designated for the area. Included are blowups of the Diego Garcia, Guam, Honolulu, Hulule Island, Mauritius-Reunion, McMurdo, Nandi, and Pago Pago areas. Supporting charts T-1 and T-2 contain blowups of fifteen terminal areas.

Terminal High and Low Altitude Charts (THLPAA) contain instrument approach prodedures with aerodrome sketches, airport diagrams, standard instrument departures, and radar instrument approach minimums for selected airports, and the standard terminal arrival routes for Honolulu.

Enroute Supplement (EPAA Sup) contains an alphabetical IFR/VFR aerodrome/facility directory, aerodrome and island sketches, airfield location maps, radio navigation aids, special notices, and procedures required to support the enroute and terminal area charts.

UNITED STATES (US)--

Terminal Low Altitude Charts (Low IAP) are 12 bound booklets which contain low altitude instrument approach procedures, aerodrome sketches, airport diagrams, and radar instrument approach minimums.

Terminal Low Altitude Charts, Selected Airfields (Low Sel) are five bound booklets which contain low altitude instrument approach procedures, aerodrome sketches, airport diagrams, and radar instrument approach minimums for selected airports.

Terminal High Altitude Charts (THUS) are four bound booklets which contain high altitude instrument approach procedures and related data--aerodrome sketches, airport diagrams, and radar instrument approach minimums--for high performance aircraft.

DoD High and Low Altitude Standard Instrument Departures (SID High/Low) are looseleaf pages which contain approved departure routings for individual bases in the United States, Canada, and the North Atlantic.

Enroute IFR Supplement (ENUS IFR Sup) contains an alphabetical aerodrome/facility directory, special notices, and other data required to supplement the Enroute charts.

Enroute VFR Supplement (ENUS VFR Sup) contains an alphabetical listing of selected military and general aviation VFR aerodrome sketches with supporting text and a city/aerodrome cross reference of IFR/VFR aerodromes.

Address all requests to:

DMA Aerospace Center
ATTN: GADF
3200 South Second Street
St. Louis, MO 63118
Telephone: FTS - 273-8331
Commercial - (314) 263-8331

DMAAC PRODUCTS

INDEX

INDEX (Continued)

APPENDIX 3. DEFENSE MAPPING AGENCY OFFICE OF DISTRIBUTION SERVICE (DMAODS) PRODUCTS

The products listed in this appendix are available from DMAODS. A description of these products is contained in DMA's "Catalog of Maps, Charts and Related Products; Part 1, Aerospace Products; Volume I, Aeronautical Charts, Flight Information Publications and Related Products," which is described in this appendix. For your convenience the contents of this appendix are listed here, and an alphabetical index can be found at the end of the appendix. (The letters in parentheses are DMAODS' computerized product codes).

CONTENTS

Tactical Pilotage Charts (TPC) support high-speed, low-altitude radar and visual navigation by high-performance tactical and reconnaissance aircraft at very low through medium altitudes. Scale 1:500,000 (1 inch=7 nmi).

Operational Navigation Charts (ONC) support high-speed, medium-altitude radar navigation by first-line aircraft. These charts also support visual, celestial, and radio navigation, mission planning, and intelligence briefing. Scale 1:1,000,000 (1 inch=14 nmi).

Jet Navigation Charts (JNC) support high-altitude, computer-assisted radar navigation/bombing by strategic aircraft. These charts also support celestial and visual navigation, preflight mission planning, operational planning, and intelligence briefing. Scale 1:2,000,000 (1 inch=27 nmi).

LORAN-C Coastal Navigation Charts (LCNC) support a high degree of navigational accuracy, based on LORAN "C" lines of position, that is required for compliance with the Air Defense Identification Zones (ADIZ) procedures on entry into the conterminous United States. Scale 1:2,000,000 (1 inch=27 nmi).

Jet Navigation Charts (JNCA) support high-altitude, long-range navigation over the polar areas and training over the U.S. Because the JNCA scale is smaller than the JNC scale, the JNCAs provide wider coverage than the JNCs. Scale 1:3,000,000 (1 inch=41 nmi).

LORAN-C Navigation Charts (LCC) serve as a companion to the LCLN series and support precise long-range polar navigation required by weather reconnaissance aircraft, airborne search and rescue missions, and other operations in the Arctic area. Scale 1:3,000,000 (1 inch=41 nmi).

Antarctic Strip Chart (NASC) supports pilotage, dead-reckoning, celestial, and radar navigation and provides a base for plotting survival data, airborne magnetometer surveys, position reporting, ice reconnaissance, and photographic survey missions. Scale 1:3,000,000 (1 inch=41 nmi).

Gnomonic Tracking Charts (GT) serve as plotting charts for accurate tracking of aircraft, monitoring all types of radio emissions and electronic devices, and determining great circle courses in preflight planning. Scale varies from 1:1,093,000 to 1:10,500,000 (1 inch=15 to 144 nmi).

Global Navigation and Planning Charts (GNC) support extended long-range, high-speed, high-altitude aerospace navigation, mission planning, and general briefings. This series also serves as a base for the production of the Global LORAN Navigation Charts (GLCC) and the Spacecraft Tracking Charts (NST). Scale 1:5,000,000 (1 inch=69 nmi).

Global LORAN Navigation Charts (GLCC) consist of a selected number of GNC's with LORAN "C" and Consol/CONSOLAN overprints. This series satisfies high-speed, long-range navigation requirements over large expanses of water. Scale 1:5,000,000 (1 inch=69 nmi).

Although the following DMAODS products are not listed on FAA Form 1720-24, they are included here for ready reference, and they may be ordered separately.

Joint Operations Graphic--Air (1501A) is the aeronautical version of a worldwide series which supports international and joint service air/ground tactical operations, preflight and operational planning, training, pilotage or operational functions, and intelligence briefings. Scale 1:250,000 (1 inch=3.5 nmi).

Foreign Clearance Guide (FCGXX) is a group of bound booklets and is the official military publication for disseminating worldwide noncivil clearance requirements as well as information about personnel travel; aircraft movements to, from, and between foreign areas; and the transport of material aboard aircraft.

DMA Catalog of Maps, Charts and Related Products, Part 1--Airspace Products, Volume I--Aeronautical Charts, Flight Information Publications and Related Products (DMA Stock Number CATP1V01) contains information about the availability and requisitioning prodedures for all DMA's aeronautical charts, special purpose charts, flight information publications, and related products.

Address all requests to:

Defense Mapping Agency Office of Distribution Services
Distribution Control Point, DDCP
Washington, D.C. 20315
Telephone: Commercial - (202) 227-2495

DMAODS PRODUCTS

INDEX

APPENDIX 4. CANADIAN PRODUCTS

The products listed in this appendix are available from the Canada Map Office through ATO-200. A complete description of these products is contained in the Canada Map Office's "Canadian Aeronautical Chart catalog." (Whenever possible, order the following products from DMAAC rather than from Canada: the Canada and North Atlantic Enroute Low (ELCN) and High (EHCN) Altitude Charts, the Terminal Low (TLCN) and High (THCN) Altitude Charts, the Terminal Area Charts, and the Flight Supplement (ESCN)). For your convenience, the contents of Appendix 4 are listed below, and an alphabetical index can be found at the end.

CONTENTS

Canadian Pilotage Charts (CPC) serve the requirements of visual navigation for low-speed, short and medium-range operations, and are suitable for basic pilotage and navigational training. Scale 1:5,000,000 (1 inch = 7 nmi).

VFR Navigation Charts (VNC) serve the requirements of visual navigation for medium-speed, medium-range operations. Scale 1:1,000,000 (1 inch = 14 nmi).

World Aeronautical Charts (WAC) serve the requirements of visual navigation for medium-speed, medium-range operations. Scale 1:1,000,000 (1 inch = 14 nmi).

VFR Terminal Area Charts (VTA) provide for the safe integration of VFR and IFR traffic in terminal areas. Scale 1:250,000 (1 inch = 3.4 nmi).

Enroute Low Altitude Charts (LE) depict aeronautical information--radio navigation information, special-use airspace, and selected aerodromes--for instrument navigation in the low airway structure.

Enroute High Altitude Charts (HE) depict aeronautical information--radio navigation information for flight in the high-level route structure, selected airports, and special-use airspace extending from 18,000 ASL and above.

Terminal Area Charts depict aeronautical radio information in congested areas at a larger scale than the Enroute Low Altitude Charts.

Canada Air Pilot contains IFR aerodrome information and instrument approach charts. It is published in two volumes--East (Winnepeg to the Atlantic Ocean) and West (Winnepeg to the Pacific Ocean).

Canada--Flight Supplement is an amalgamation of and replaces the IFR, the VFR, and the Northern Supplements. It reduces duplication while providing pilots a better product in terms of tabulated and textual data which support Canadian IFR and VFR procedures. The Flight Supplement is divided into six sections--General, Aerodrome Directory, Planning, Navigation and Communication, Military, and Emergency.

Canadian Aeronautical Planning Chart provides a flight planning document which permits an aviator to select routes and to determine distances between aerodromes in Canada. Scale 1:5,000,000 (1 inch = 69 nmi).

North Atlantic Plotting Chart provides a planning and an enroute navigational chart for long-range flight operations on the North Atlantic air routes. Scale 1:5,000,000 (1 inch = 69 nmi).

Canada-Northwestern Europe Plotting Chart depicts Canada, the North Pole, and western Europe for planning purposes. Scale 1:6,000,000 (1 inch = 82 nmi).

Canadian Navigation Plotting Charts provide plotting charts at a scale which is suitable for medium and long-range flights over Canada and adjacent territory. Scale 1:3,000,000 (1 inch = 41 nmi).

Canadian Polar Plotting Chart provides a plotting chart at a scale and design which is suitable for use with polar navigation techniques. Scale 1:3,000,000 (1 inch = 41 nmi).

Maritime Plotting Charts provide plotting charts for the North Atlantic, the Caribbean, and the North Pacific regions at a scale and design which is suitable for extended over-water flight. Scale 1:2,000,000 (1 inch = 27 nmi).

Water Aerodrome Supplement contains information about the water aerodromes in Canada and shows the visual approach charts for the major bases.

Canadian Aeronautical Chart Catalog describes the products that are available from the Canada Map Office.

Address all requests as described in paragraph 12.

CANADIAN PRODUCTS

INDEX

APPENDIX 5. FAA PRODUCTS

The products that are listed below shall be ordered through normal FAA distribution channels.

Airman's Information Manual-Basic Flight Information and ATC Procedures (AIM) is published every 16 weeks and contains aeronautical information and ATC prodedures for flight in the National Airspace System (NAS). Also, it contains the Pilot/Controller Glossary and general information about safety of flight, medical facts for pilots, and aeronautical charts and related products.

International Flight Information Manual (IFIM) is published annually in April and is revised every 4 months. It contains preflight planning information, such as foreign entry requirements, airports of entry, pertinent regulations and restrictions, passport, visa, and health requirements for use by nonscheduled air carrier and general aviation pilots who are planning flights into international or foreign airspace or who are returning to the United States from foreign areas.

International Notices to Airmen is published every 14 days and contains considerable information that is pertinent to foreign flight and supplements the IFIM.

Minimum Enroute IFR Altitudes Over Particular Routes and Intersections is published every six months and is revised every 56 days. It is a consolidation of the amendments to Subparts C and D of FAR Part 95.

National Flight Data Digest (NFDD) is published daily (Monday through Friday except holidays) and contains operational flight data, such as information appropriate to aeronautical charts and related flight information publications, NOTAMs, and so forth, that are considered essential to safe and efficient aircraft operations.

Notices to Airmen (Class II) is published every 14 days and contains current NOTAM's that are considered essential to the safety of flight in the NAS. Also, it contains current NFDC (Nationl Flight Data Center) NOTAM's, which are regulatory in nature, that establish restrictions to flight or amend charts or published instrument approach procedures.

Transmittal Letter is published every two weeks and contains standard instrument approach procedures (SIAP's) that have been established, amended, suspended, or revoked as described on the official FAA Forms 8260-3, 8260-4, and 8260-5. The Transmittal Letter also contains departure procedures, ceiling and visibility minimums, and any fix actions that might be associated with the SIAP's.

United States of America Aeronautical Information Publication (AIP) is revised every 16 weeks and is prepared in accordance with the standards and recommended practices that are set forth in the International Civil Aviation Organization's (ICAO) Annex 15, Aeronautical Information Services, and ICAO Document 8126, Aeronautical Information Services Manual. The AIP contains permanent aeronautical information that is essential for entry into, transit through, or departure from U.S. airspace.

APPENDIX 6. OTHER PRODUCTS

The U.S. Geological Survey has a National Mapping Program which provides multipurpose maps and related data of appropriate scale, content, and accuracy to satisfy many of this country's civil and military needs. Its Topographic Map Series is part of that National Mapping Program. Generally, the topographic maps are classified by scale, and each scale series is designed to fulfill a range of needs. Large-scale maps, such as 1:24,000, are especially useful for areas where detailed information is needed for engineering planning and similar purposes. Intermediate-scale maps, such as 1:50,000 to 1:100,000, are especially useful for land p]anning and management. Small-scale maps, such as 1:250,000 to 1:1,000,000, cover very large areas and are useful for comprehensive views of extensive projects or regional planning. The following table shows the topographic map series.

TOPOGRAPHIC MAP SERIES

Series	Scale	One inch equals
7.5-minute	1:24,000 (1)	0.33 nmi.
15-minute	1:62,500 (2)	0.86 nmi.
Intermediate scale quadrangle	1:100,000	1.37 nmi.
U.S. 1:250,000	1:250,000	3.43 nmi.
International Map of the World	1:1,000,000	13.72 nmi.

(1) The scale is 1:25,000 for Alaska; 1:20,000 for Puerto Rico.
(2) The scale is 1:63,360 for Alaska.

Indexes showing the topographic maps that are published for each State, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and Antarctica are available free from the following addresses.

For maps of areas west of the Mississippi River, including Alaska, Hawaii, Louisiana, Guam, and American Samoa:

Western Distribution Branch
U.S. Geological Survey
Box 25286, Federal Center, Bldg. 41
Denver, CO. 80225

For maps of areas east of the Mississippi River, including Minnesota, Puerto Rico, and the Virgin Islands:

Eastern Distribution Branch
U.S. Geological Survey
1200 South Eads Street
Arlington, VA. 22202

APPENDIX 7. FAA FORMS

The FAA Forms shown in this appendix shall be used when ordering aeronautical charts and related flight information publications. Use FAA Form 1720-22 when ordering products from NOS; FAA Form 1720-23 for products from DMAAC; and FAA Form 1720-24 for products from DMAODS. NOS, DMAAC, and DMAODS have agreed to process only those requests that have been signed by the appropriate distribution officer. Any request not signed by the appropriate distribution officer will be returned without action.

CONTENTS

AERONAUTICAL CHARTS AND RELATED FLIGHT INFORMATION PUBLICATIONS

NATIONAL OCEAN SURVEY (NOS)

Subscription Number

(if current subscriber)

INSTRUCTIONS

Use this form whenever you order or change your order for NOS-produced aeronautical charts and related publications. Use a *separate* form for each action; i.e., to add a new subscription, to cancel a subscription, to add product/s not currently being received, to cancel product/s being received, to make a "one-time" request, to change the quantity of product/s being received, or to change your address. If you want "unfolded" charts, write "FLAT" next to the chart titles. Sign the form and submit it to your Distribution Officer.

Distribution Officers shall review this form for proper preparation, sign it, and send it to:

National Ocean Service (NOS)
Distribution Branch (N/CG33)
Riverdale, MD 20737

Action: *(Check Only One)*

- ☐ New Subscription (must include address)
- ☐ Cancel Subscription
- ☐ Add Product/s
- ☐ Cancel Product/s
- ☐ "One-Time" Request (must include address)
- ☐ Change—Quantity
- ☐ Change—Address (must include address)

Complete only if: ☐ *New Subscription* ☐ *One-Time Request* ☐ *Change of Address*

DOT FAA

Planning Charts

____ VFR/IFR	(60601)	____ Flight Case Planning	(60501)	____ Gulf of Mexico-Caribbean (Reverse of Puerto Rico-V.I.)	(60701)
____ North Atlantic Route	(60400)				

Sectional Charts (SEC)

____ Albuquerque	(60201)	____ Fairbanks	(60219)	____ Montreal	(60236)
____ Anchorage	(60202)	____ Great Falls	(60220)	____ New Orleans	(60237)
____ Atlanta	(60203)	____ Green Bay	(60221)	____ New York	(60238)
____ Bethel	(60204)	____ Halifax	(60222)	____ Nome	(60239)
____ Billings	(60205)	____ Hawaiian Islands	(60254)	____ Omaha	(60240)
____ Brownsville	(60206)	____ Houston	(60223)	____ Phoenix	(60241)
____ Cape Lisburne	(60207)	____ Jacksonville	(60224)	____ Point Barrow	(60242)
____ Charlotte	(60208)	____ Juneau	(60225)	____ Salt Lake City	(60243)
____ Cheyenne	(60209)	____ Kansas City	(60226)	____ San Antonio	(60244)
____ Chicago	(60210)	____ Ketchikan	(60227)	____ San Francisco	(60245)
____ Cincinnati	(60211)	____ Klamath Falls	(60228)	____ Seattle	(60246)
____ Cold Bay	(60212)	____ Kodiak	(60229)	____ Seward	(60247)
____ Dallas	(60213)	____ Lake Huron	(60230)	____ St. Louis	(60248)
____ Dawson	(60214)	____ Las Vegas	(60231)	____ Twin Cities	(60249)
____ Denver	(60215)	____ Los Angeles	(60232)	____ Washington	(60250)
____ Detroit	(60216)	____ McGrath	(60233)	____ W. Aleutian Islands	(60251)
____ Dutch Harbor	(60217)	____ Memphis	(60234)	____ Whitehorse	(60252)
____ El Paso	(60218)	____ Miami	(60235)	____ Wichita	(60253)

VFR Terminal Area Charts (TAC)

____ Anchorage	(60123)	____ Houston	(60109)	____ Philadelphia	(60117)
____ Atlanta	(60101)	____ Kansas City	(60110)	____ Pittsburgh	(60118)
____ Boston	(60102)	____ Las Vegas	(60111)	____ Puerto Rico-V.I.	(60701)
____ Chicago	(60103)	____ Los Angeles	(60112)	____ San Diego	(60124)
____ Cleveland	(60105)	____ Miami	(60113)	____ San Francisco	(60119)
____ Dallas-Ft. Worth	(60106)	____ Mpls.-St. Paul	(60114)	____ Seattle	(60120)
____ Denver	(60107)	____ New Orleans	(60115)	____ St. Louis	(60121)
____ Detroit	(60108)	____ New York	(60116)	____ Washington	(60122)

World Aeronautical Charts (WAC)

____ CC- 8	(60301)	____ CF-16	(60308)	____ CG-21	(60315)	____ CJ-25	(60321)
____ CC- 9	(60302)	____ CF-17	(60309)	____ CH-22	(60316)	____ CJ-26	(60322)
____ CD-10	(60303)	____ CF-18	(60310)	____ CH-23	(60317)	____ CJ-27	(60323)
____ CD-11	(60304)	____ CF-19	(60311)	____ CH-24	(60318)	____ CK-25	(60324)
____ CD-12	(60305)	____ CG-18	(60312)	____ CH-25	(60319)	____ CK-26	(60325)
____ CE-12/13	(60306)	____ CG-19	(60313)	____ CJ-24	(60320)	____ CK-27	(60326)
____ CE-15	(60307)	____ CG-20	(60314)				

Enroute Low Altitude Charts — US (ELUS)

____ Full Set*	(20000)	____ L-5/6	(20105)	____ L-15/16	(20115)	____ L-25/26	(20225)
____ West* (L-1/2 thru L-15/16)	(20100)	____ L-7/8	(20107)	____ L-17/18	(20117)	____ L-27/28	(20227)
____ East* (L-11/13, L-17/27)	(20200)	____ L-9/10	(20109)	____ L-19/20	(20219)	____ *Area Chart Included in Set, West & East	(20701)
____ L-1/2	(20101)	____ L-11/12	(20111)	____ L-21/22	(20221)		
____ L-3/4	(20103)	____ L-13/14	(20113)	____ L-23/24	(20223)		

VFR Helicopter Charts

- ____ Los Angeles (60801)
- ____ Gulf Coast (60802)

Enroute High Altitude Charts-US (EHUS)

- ____ Full Set (20300)
- ____ H-1/2 (20301)
- ____ H-3/4 (20303)

Enroute Low Altitude Charts-Alaska (ELAK)

- ____ Full Set (20400)
- ____ L-1/2 (20401)
- ____ L-3/4 (20403)

Enroute High Altitude Chart-Alaska (EHAK)

- ____ H-I (20501)

Standard Instrument Departure Charts (SID)

____ Full Set (10301) ____ East (of the Miss. River) (10302) ____ West (of the Miss. River) (10303)

Standard Terminal Arrival Charts (STAR)
____ STAR (10501)

Alaska Terminal Publication (ATP)
____ ATP (10401)

Alaska Chart Supplement (ACS)
____ ACS (30101)

Pacific Chart Supplement (PCS)
____ PCS (30201)

U.S. Instrument Approach Procedure Charts (IAP)

____ Full Set* (10200)
____ NE-1 (10201)
____ NE-2 (10202)
____ NE-3 (10203)
____ SE-1 (10204)
____ SE-2 (10205)
____ SE-3 (10206)
____ EC-1 (10207)
____ EC-2 (10208)
____ EC-3 (10209)
____ NC-1 (10210)
____ NC-2 (10211)
____ SC-1 (10212)
____ SC-2 (10213)
____ NW-1 (10214)
____ SW-1 (10215)
____ Change Notice * (Included in set) (10220)

Airport Facility Directory (AFD)

____ Full Set (United States excluding Alaska & Hawaii) (10700)
____ Northeast (10701)
____ Southeast (10702)
____ East Central (10703)
____ North Central (10704)
____ South Central (10705)
____ Northwest (10706)
____ Southwest (10707)

ATC Command Center (CARF)

____ CARF U.S. (22100)
____ CARF Atlantic (22101)
____ CARF West Coast (22102)
____ CARF Caribbean (22103)
____ CARF Pacific (22104)

Controller Charts-U.S. (CC)

____ CC Full Set (40100)
____ CC 1 (40101)
____ CC 2 (40102)
____ CC 3 (40103)
____ CC 4 (40104)
____ CC 5 (40105)
____ CC 6 (40106)
____ CC 7 (40107)
____ CC 8 (40108)
____ CC 9 (40109)
____ CC-10 (40110)
____ CC 11 (40111)
____ CC 12 (40112)
____ CC 13 (40113)
____ CC 14 (40114)
____ CC 15 (40115)
____ CC 16 (40116)
____ CC 17 (40117)
____ CC 18 (40118)
____ CC 19 (40119)
____ CC 20 (40120)
____ CC 20A (40170)
____ CC 21 (40121)
____ CC 22 (40122)
____ CC 23 (40123)
____ CC 24 (40124)
____ CC 25 (40125)
____ CC 26 (40126)
____ CC 27 (40127)
____ CC 28 (40128)
____ CC 29 (40129)
____ CC 30 (40130)
____ CC 31 (40131)
____ CC 32 (40132)
____ CC 33 (40133)
____ CC 34 (40134)
____ CC 35 (40135)
____ CC 36 (40136)

Area Controller Charts—US (CC A)

____ CC A Full Set (40300)
____ CC A 37 Seattle (40337)
____ CC A 38 Salt Lake City (40338)
____ CC A 39 Minneapolis (40339)
____ CC A 40 Chicago (40340)
____ CC A 41 DEN/ABQ (40341)
____ CC A 42 Gulf/Mex (40342)
____ CC A 43 MIA/JAX (40343)
____ CC A 44 San Juan (40344)
____ CC A 45 SJU (Term) (40345)
____ CC A 48 Hawaiian Is. (40348)

Controller Charts—Alaska (CC ALA)

____ CC ALA Full Set (40360)
____ CC ALA 61A
____ CC ALA 61B (40361)
____ CC ALA 62 (40362)
____ CC ALA 63 (40363)
____ CC ALA 64 (40364)
____ CC ALA 65 (40365)
____ CC ALA 66 (40366)

High Altitude Controller Charts—US (CC HA)

____ CC HA East (40501)
____ CC HA Central (40502)
____ CC HA West (40503)

Controller Chart Supplement (CCS)

____ CCS Full Set (40200)
____ CCS 1 High (40201)
____ CCS 2 Low (40202)
____ CCS 4 MTR (40204)
____ CCS 5 AK/HI/PR (40205)
____ CCS 6 STAR (40206)
____ CCS 7 SID (40207)
____ CCS 8 Pref. IFR Routes (40208)
____ CCS 9 Radar (40209)

Airport Obstruction Charts (OC)

(Quan.)	(State)	(OC Number)	(Airport Name)	(Quan.)	(State)	(OC Number)	(Airport Name)	(Quan.)	(State)	(OC Number)	(Airport Name)

MANAGER CERTIFICATION
I certify that the requested products are necessary for official FAA business.

(Signature) (Routing symbol) (Date)

DISTRIBUTION OFFICER

(Signature) (Routing symbol) (Date)

U.S. Department of Transportation
Federal Aviation Administration

AERONAUTICAL CHARTS AND RELATED FLIGHT INFORMATION PUBLICATIONS

DEFENSE MAPPING AGENCY AEROSPACE CENTER (DMAAC)

Account Number
(if current subscriber)

Action: *(Check Only One)*

- ☐ New Account (must include address)
- ☐ Cancel Account
- ☐ Add Product/s
- ☐ Cancel Product/s
- ☐ "One-Time" Request (must include address)
- ☐ Change—Quantity
- ☐ Change—Address (must include address)

Complete only if: ☐ *New Account* ☐ *Change of Address* ☐ *One-Time Request*

DOT FAA

INSTRUCTIONS
Use this form whenever you order or change your order for DMAAC—distributed aeronautical charts and related publications. Use a *separate* form for each action; i.e., to add a new account, to cancel an account, to add product/s not being received, to cancel product/s being received, to change the quantity of products being received, to make a one-time request, or to change an address. If you want unfolded charts, write "flat" next to the chart title. Sign the form and submit it to your distribution officer. Distribution officers shall review this form for proper preparation, sign it, and forward it to:

DMAAC/GADF
3200 South Second Street
St. Louis, MO 63118

FLIGHT INFORMATION HANDBOOK
____ FIH

GENERAL PLANNING
____ GP

MILITARY TRAINING ROUTES
____ AP/1B (book) North & South America
____ AP/1B (chart set) North & South America

AREA PLANNING
____ AP/1 North & South America
____ AP/2 Europe, Africa & Middle East
____ AP/3 Pacific, Australasia & Antarctica

SPECIAL USE AIRSPACE
____ AP/1A North & South America
____ AP/2A Europe, Africa & Middle East
____ AP/3A Pacific, Australasia & Antarctica

AFRICA (A)

En Route High & Low Altitude Charts (EHLA)
____ Set ____ CHT 3/4
____ CHT 1/2

Terminal High & Low Altitude Charts (THLA)
____ THLA

En Route Supplement (ESIA)
____ ESIA

CANADA AND NORTH ATLANTIC (CN)

En Route Low Altitude Charts (ELCN)
____ Sets or T 1/2
____ T 1/2*(Included in set)

En Route High Altitude Charts (EHCN)
____ Sets Only

Terminal Low Altitude Charts (TLCN)
____ TLCN

Terminal High Altitude (THCN)
____ THCN

Flight Supplement (ESCN)
____ ESCN

CARIBBEAN AND SOUTH AMERICA (CS)

En Route Low Altitude Charts (ELCS)
____ Set*
____ L 1/2
____ L 3/4
____ L 5/6
____ L 7/8
____ L 9/10
____ L 11/12
____ L 13/14
____ L 15/16
____ L 17/18
____ A 1/2*(Included in set)

En Route High Altitude Charts (EHCS)
____ Sets Only

Terminal High & Low Altitude Charts (THLCS)
____ THLCS

En Route Supplement (ESIC)
____ ESIC

FAA FORM 1720-23 (8-84) Supersedes Previous Edition

NSN: 0052-00-874-8001 U/I: SH

EUROPE, NORTH AFRICA, AND MIDDLE EAST (ENAME)

En Route Low Altitude Charts (ELEN)

____ Set*
____ L 1/2
____ L 3/4
____ L 5/6
____ L 7/8
____ L 9/10
____ L 11/12
____ L 13/14
____ L 15/16
____ L 17/18
____ L 19/20
____ T 1/2*(Included in set)

En Route High Altitude Charts (EHEN)

____ Set
____ H 1/2
____ H 3/4
____ H 5/6
____ H 7/8
____ H 9/10
____ H 11/12
____ H 13/14

Terminal Low Altitude Charts (TLE)

____ Vol.1 ____ Vol. 2

Terminal High Altitude Charts (THE)

____ THE

Instrument Departures, High & Low Altitude (ID)

____ ID Low ENA & ME
____ ID High ENA & ME

VFR Arrival & Departure Routes Europe

____ VFR Arr & Dep RT Europe

En Route Supplement (ESIE)

____ ESIE IFR Sup

Wall Planning Chart, Low Altitude

____ WP Chart Europe Low

Wall Planning Chart, High Altitude

____ WP Chart Europe High

PACIFIC, AUSTRALASIA & ANTARCTICA (PAA)

En Route High and Low Altitude Charts (EPAA)

____ CHT 1-18*
____ CHT 1-10*
____ CHT 11-18*
____ CHT 1/2
____ CHT 3/4
____ CHT 5/6
____ CHT 7/8
____ CHT 9/10
____ CHT 11/12
____ CHT 13/14
____ CHT 15/16
____ CHT 17/18
____ CHT 19 (Special chart of Antarctica)
____ T 1/2*(Included in 1-18, 1-10, & 11-18)

Terminal High and Low Altitude Charts (THLPAA)

____ Vol. 1 ____ Vol. 2 ____ Vol. 3

En Route Supplement

____ EPAA Sup

UNITED STATES (US)

Terminal Low Altitude Charts (Low IAP)

____ Vol. 1
____ Vol. 2
____ Vol. 3
____ Vol. 4
____ Vol. 5
____ Vol. 6
____ Vol. 7
____ Vol. 8
____ Vol. 9
____ Vol. 10
____ Vol. 11
____ Vol. 12

Terminal Low Altitude Charts, Selected Airfields (Low Sel)

____ Vol. A
____ Vol. B
____ Vol. C
____ Vol. D
____ Vol. E

Terminal High Altitude Charts (THUS)

____ THNW
____ THSW
____ THNE
____ THSE

DOD High and Low Altitude Standard Instrument Departures

____ SID H/L ____ SID Low ____ SID High

En Route IFR Supplement

____ ENUS IFR Sup

En Route VFR Supplement

____ ENUS VFR Sup

MANAGER CERTIFICATION I certify that the requested products are necessary for official FAA business.

(Signature) (Routing symbol) (Date)

DISTRIBUTION OFFICER

(Signature) (Routing symbol) (Date)

U.S. Department of Transportation
Federal Aviation Administration

AERONAUTICAL CHARTS AND RELATED FLIGHT INFORMATION PUBLICATIONS

DEFENSE MAPPING AGENCY OFFICE OF DISTRIBUTION SERVICES (DMAODS)

Account Number
(If current subscriber)

INSTRUCTIONS

Use this form whenever you order or change your order for DMAODS-distributed aeronautical charts and related publications. Use a *separate* form for each action; i.e., to add a new account, to cancel an account, to add product/s not being received, to cancel product/s being received, to change the quantity of products being received, to make a one-time request, or to change an address. If you want "unfolded" charts, write "FLAT" next to the chart title. Sign the form and submit it to your distribution officer.

Distribution officers shall review this form for proper preparation, sign it, and forward it to:
DMAODS/DDCP
Washington, DC 20315

Action: *(Check Only One)*

- ☐ New Account (must include address)
- ☐ Cancel Account
- ☐ Add Product/s
- ☐ Cancel Product/s
- ☐ "One-Time" Request (must include address)
- ☐ Change—Quantity
- ☐ Change—Address (must include address)

Complete only if: ☐ *New Account* ☐ *One-Time Request* ☐ *Change of Address*

DOT FAA

TACTICAL PILOTAGE CHARTS (TPC)

____ TPC ____ ____ TPC ____ ____ TPC ____

OPERATIONAL NAVIGATION CHARTS (ONC/WAC)

____ ONC ____ ____ ONC ____ ____ ONC ____

JET NAVIGATION CHARTS (JNC)

____ JNC ____ ____ JNC ____ ____ JNC ____

LORAN-C COASTAL NAVIGATION CHARTS (LCNC)

____ LCNC 1 ____ LCNC 2 ____ LCNC 3

JET NAVIGATION CHARTS (JNCA)

____ JNCA 1
____ JNCA 2
____ JNCA 3
____ JNCA 4
____ JNCA 5

LORAN-C NAVIGATION CHARTS (LCC)

____ LCC 1A ____ LCC 2 ____ LCC 3 ____ LCC 4A

ANTARCTIC STRIP CHART (NASC)

____ NASC 1

GNOMONIC TRACKING CHARTS (GT)

____ GT 5
____ GT 5a
____ GT 7
____ GT 18
____ GT 19
____ GT 19a
____ GT 52
____ GT 52a
____ GT 53
____ GT 53a

GLOBAL NAVIGATION AND PLANNING CHARTS (GNC)

____ GNC 1
____ GNC 2
____ GNC 3
____ GNC 4
____ GNC 5
____ GNC 6
____ GNC 7
____ GNC 8
____ GNC 9
____ GNC 10
____ GNC 11
____ GNC 12
____ GNC 13
____ GNC 14
____ GNC 15
____ GNC 16
____ GNC 17
____ GNC 18
____ GNC 19
____ GNC 20
____ GNC 21
____ GNC 22
____ GNC 23
____ GNC 24
____ GNC 25
____ GNC 26

GLOBAL LORAN NAVIGATION CHARTS (GLCC)

____ GLCC 1
____ GLCC 3
____ GLCC 4
____ GLCC 6
____ GLCC 7
____ GLCC 8
____ GLCC 9
____ GLCC 10
____ GLCC 11
____ GLCC 13

MANAGER CERTIFICATION

I certify that the requested products are necessary for official FAA business.

(Signature) (Routing symbol) (Date)

DISTRIBUTION OFFICER

(Signature) (Routing symbol) (Date)

FAA Form 1720-24 (8-84)

NSN: 0052-00-890-2000

*U.S. GOVERNMENT PRINTING OFFICE : 1984 0-461-861/10119