

**No. 16631**

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**UNITED STATES OF AMERICA  
and  
CANADA**

**Mapping, Charting and Geodesy Agreement (with annexes).  
Signed at Ottawa on 24 August 1976**

*Authentic text: English.*

*Registered by the United States of America on 27 April 1978.*

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**ÉTATS-UNIS D'AMÉRIQUE  
et  
CANADA**

**Accord relatif à la cartographie, l'hydrographie et la géo-  
désie (avec annexes). Signé à Ottawa le 24 août 1976**

*Texte authentique : anglais.*

*Enregistré par les États-Unis d'Amérique le 27 avril 1978.*

MAPPING, CHARTING AND GEODESY AGREEMENT<sup>1</sup> BETWEEN DEFENSE MAPPING AGENCY, UNITED STATES DEPARTMENT OF DEFENSE, AND DIRECTOR OF CARTOGRAPHY, NATIONAL DEFENCE, CANADA

*Article I. PURPOSE OF THE AGREEMENT*

The purpose of this agreement is to establish an understanding between the Defense Mapping Agency, United States Department of Defense and the Director of Cartography, Department of National Defence, Canada, hereinafter referred to as the cooperating agencies, concerning cooperation in mapping, charting and geodesy activities in support of mutual defence.

*Article II. OBJECTIVES*

The objects of this agreement are:

- a. To provide maps, charts, geodetic data, geophysical data and related products in accordance with requirements specified by the Mapping and Charting Plan in Support of the Canada-United States Basic Security Plan and other military requirements of agreed mutual concern.
- b. To outline cooperative programs and technical arrangements by mutual agreement between agencies designated by the cooperating agencies for this purpose.

*Article III. EXCHANGE OF INFORMATION*

The cooperating agencies shall exchange on a quid pro quo basis insofar as practicable cartographic, geodetic, photographic, geographic, geophysical and aeronautical data, in accordance with arrangements set forth in Annexes A, B and C hereto which are made a part hereof. Requests for and exchange of materials will normally be made through the agencies identified as basically responsible for the types of materials being sought or exchanged. Arrangements will be made for recording and reviewing the exchange of materials between the separate agencies and adjustments made as appropriate to achieve the objectives of a quid pro quo balance within the overall agreement.

*Article IV. MUTUAL OBLIGATIONS*

1. It is understood that any action taken by either cooperating agency pursuant to this Agreement shall be subject to the availability to that agency of necessary resources as well as to any restrictions affecting release and availability of materials to be exchanged.
2. For official use, either cooperating agency may reproduce products from the materials provided by the other.
3. Unclassified material, and/or classified material imprinted with release authorization will be exchanged automatically as set forth in Annexes A, B and C. Classified material, not specifically designated for release by imprinted exception on the material itself, is eligible for exchange consideration based on documented request. Classification shall be held to a minimum commensurate with the need for security and the general intention to avoid classifying maps or charts at scales 1:250,000 and smaller.
4. Requests for materials covered by "third Nation" restrictions must be accompanied by written authorization from the country imposing the restriction.
5. Materials or information received under this agreement will not be released to other governments and non-governmental parties. Such requesters will be referred to the responsible source agency.

<sup>1</sup> Came into force on 24 August 1976 by signature, in accordance with article V (2).

6. The specific responsibilities of each cooperating agency in the cooperative program and the implementing details of this Agreement shall be as determined by the following agencies:

- a. The Defense Mapping Agency (DMA) is the principal U.S. agent and initial point of contact on all cartographic matters relating to defence information and materials and shall have overall responsibility for the agreement, including policy and the assignment of functions among U.S. participants. The DMA Components listed below shall coordinate operational matters directly with their counterpart agencies in accordance with this basic agreement and Annexes A, B and C, through channels specified by the Director of Cartography, National Defence Headquarters:
- (1) The Defense Mapping Agency Topographic Center (DMATC) shall be responsible for matters in connection with land mapping and related materials, and activities as stated in Annex A.
  - (2) The Defense Mapping Agency Aerospace Center (DMAAC) shall be responsible for matters in connection with aeronautical charting, flight information publications, and related data and activities, as stated in Annex B.
  - (3) The Defense Mapping Agency Hydrographic Center (DMAHC) shall be responsible for matters in connection with hydrographic charting and related data and the supply of National Ocean Survey produced aeronautical charts as stated in Annex C.
- b. The Director of Cartography, National Defence Headquarters (DCARTO) has Canadian authority and responsibility under this agreement, and is contact agent for all matters related to subjects of the agreement. Routine exchanges of materials may be made between the agencies designated in Annexes A, B and C.

#### Article V. REVIEW AND ENTRY INTO FORCE OF THIS AGREEMENT

1. This Agreement shall be subject to review at any time upon written notice by either cooperating agency to the other that it desires to consult with a view to substantive amendment. Routine matters such as changes in quantities or items to be exchanged or addresses shall be resolved between the designated agencies.

2. This Agreement shall enter into force upon signature by the authorized representatives of both cooperating agencies and shall remain in force until one year after either of the cooperating agencies shall have notified the other of its intention to terminate the Agreement.

3. In the event of conflict between this basic Agreement and Annexes A, B and C, the basic Agreement shall prevail.

#### Article VI. SUPERSESION

The following agreement is superseded by this Agreement:

Mapping, Charting and Geodesy Agreement between the Director for Mapping, Charting and Geodesy, United States Defense Intelligence Agency, and Director of Mapping and Charting, Canadian Forces Headquarters, Department of National Defence, Canada, dated 18 June 1970.

IN WITNESS WHEREOF The Undersigned, duly authorized by their respective cooperating agencies, have signed this Agreement.

DONE at Ottawa in duplicate, this 24 day of August, 1976.

[Signed]  
S. D. CRAMER, Jr.  
Vice Admiral, USN  
Director  
Defense Mapping Agency

[Signed]  
J. F. PRESTON  
Colonel  
Director of Cartography  
National Defence Headquarters

## ANNEX A

## EXCHANGE OF TOPOGRAPHIC MAPS

1. *Purpose*

The purpose of this Annex is to define arrangements for the exchange of maps and related materials of mutual interest between United States and Canadian mapping agencies. The United States agency is the Defense Mapping Agency Topographic Center (DMATC). The Canadian agency is the Director of Cartography, Canadian Forces Headquarters (DCARTO). In furtherance of this mutual objective, the designated agencies will conform to the provisions of the basic agreement and the procedures set forth in this Annex.

2. *Materials from DMATC*

The DMATC agrees to furnish DCARTO, automatically, the following material produced by DMATC in the quantities noted below:

a. *Maps:*

Five copies of each map of 1:250,000 scale and smaller published by DMATC.

b. *Other Publications:*

- (1) Five copies of the DMATC Map Exchange Catalogue with revisions and supplements as issued.
- (2) Two copies of the DMATC Publications Exchange List with revisions and supplements as issued.
- (3) Two copies each of unclassified technical publications and technical instructions as issued.
- (4) Five copies each of gazetteers and glossaries relating to maps supplied under subparagraph 2.a., above, as published.

3. *Materials from DCARTO*

DCARTO agrees to furnish DMATC, automatically, the following material produced by Canadian Government mapping agencies:

a. *Maps:*

Five copies of all topographic maps of Canada.

b. *Reproduction Material:*

One set of reproduction material for all maps described in paragraph 3.a., above, as produced.

c. *Other Publications:*

- (1) Five copies of the CFP 264 DND Catalogue of Maps with revisions and supplements, as issued.
- (2) Five copies each of gazetteers and glossaries, based on the maps described above, as issued.
- (3) Five copies of technical publications, as issued.
- (4) Two copies of technical instructions, as issued.

4. *Additional Requirements*

Either party will supply to the other, on request, copies of maps and related materials in addition to the categories and quantities specified in paragraphs 2. and 3., including Geodetic Data and Aerial Photography.

## 5. Channel for Transmittals

- a. Materials furnished DMATC will be addressed to:  
 Defense Mapping Agency Topographic Center  
 Attn: Code 50235  
 Washington, D.C. 20315
- b. Materials furnished DCARTO will be addressed to:  
 Director of Cartography  
 National Defence Headquarters  
 Ottawa, Ontario, Canada K1A OK2  
 Attn: CF Map and Chart Depot  
 Marked: Duty Free under Canadian Tariff Item 17200-1

### ANNEX B

#### EXCHANGE OF AERONAUTICAL CHARTS AND FLIGHT INFORMATION PUBLICATIONS

##### SECTION ONE

### 1. Purpose

The purpose of this Annex is to define arrangements for the quid pro quo exchange of aeronautical charts and flight information publications and/or the exchange of aeronautical, gravimetric and technical information of mutual interest between United States and Canadian production agencies. The United States Agency is the Defense Mapping Agency Aerospace Center (DMAAC) and the Canadian Agency is the Director of Cartography, National Defence Headquarters (DCARTO). In furtherance of this mutual objective, the designated agencies will conform to the provisions of the basic agreement and the procedures set forth in this Annex.

##### SECTION TWO

#### *United States Responsibility*

### 2. Aeronautical Charts

The Defense Mapping Agency Aerospace Center (DMAAC) will automatically furnish 11 copies of the following DoD Aeronautical Charts. Current editions will be provided initially. Thereafter, new editions will be provided as they are published, and in like quantities to the addresses in paragraph 22, SECTION FIVE:

#### a. Chart Series

	<i>Address A</i>	<i>Address B</i>
(1) 1:250,000 scale—1501 Air Joint Operations Graphics (1501A) (NATO Area of Interest and North America)	10	1
(2) 1:500,000 scale—Tactical Pilotage Charts (TPC)	10	1
(3) 1:1,000,000 scale—Operational Navigation Chart (ONC)	10	1
(4) 1:2,000,000 scale—Jet Navigation Charts (JN/JNC)	10	1
(5) 1:2,000,000 scale—CONSOL-LORAN Navigation Charts/LORAN Navigation Charts (CJC/LJC)	10	1
(6) 1:2,000,000 scale—Continental Entry Charts (CEC) 1 & 2	10	1
(7) 1:3,000,000 scale—Jet Navigation Charts (JNC-A)	10	1

	<i>Address A</i>	<i>Address B</i>
(8) 1:3,000,000 scale—LORAN-C Navigation Charts (LCC)	10	1
(9) 1:5,000,000 scale—Global Navigation Chart/Global LORAN Charts (GNC/GLC)	10	1
(10) Various scales Strategic Planning Charts (SSC)	10	1

b. National Ocean Survey produced aeronautical charts shall be supplied in accordance with Annex C.

### 3. *Reproduction Materials*

Upon request, DMAAC will furnish reproduction materials (film positives) for all DoD Aeronautical charts on a quid pro quo basis. The letter of request will state the address to which these reproduction materials are to be shipped. The materials required can be determined from new editions of charts furnished automatically as specified in paragraph 2., above. Requests for reproduction materials will be directed to:

Defense Mapping Agency Aerospace Center  
Attn: CDP  
Second and Arsenal Streets  
St. Louis Air Force Station, MO 63118  
USA

### 4. *Additional Stocks of Aeronautical Charts*

DMAAC will, as mutually arranged, furnish additional aeronautical charts and related data for operational stocks, training, and similar requirements of the Canadian Forces, as U.S. stocks permit, or as mutually arranged, on a quid pro quo basis. Requests for additional stocks will be directed to:

Defense Mapping Agency Aerospace Center  
Attn: PDD  
South Annex  
St. Louis Air Force Station, MO 63125  
USA

### 5. *Flight Information Publications*

DMAAC will automatically furnish copies of the following U.S. DoD Flight Information Publications. Current editions will be provided initially. Thereafter, new editions or applicable amendments will be provided in like quantities to the addresses in paragraph 22, SECTION FIVE:

#### a. *FLIP Planning*

	<i>Address B</i>	<i>Address C</i>
(1) GP—General Planning	1	5
(2) AP1A—Area—North and South America AP1A—Area Planning—N and S America—Special Use Airspace	1	5
(3) AP1B—Area Planning—United States Military Training Routes	2	5
(4) AP2—Area Planning—Europe—Africa—Middle East	1	5
(5) AP2A—Area Planning—Europe—Africa—Middle East—Special Use Airspace	1	5
(6) AP3—Area Planning—Pacific Australasia—Antarctica	1	5
(7) AP3A—Area Planning—Pacific Australasia—Antarctica Special Use Airspace	1	5

<i>b. FLIP Enroute—Low/High Altitude Charts and Area—Terminal Area Charts</i>		
	<i>Address B</i>	<i>Address C</i>
(1) Enroute—Low Altitude Charts and Area—Terminal Area Charts		
i. Alaska	3	8
ii. Caribbean and South America	3	8
iii. Europe and North Africa and Middle East	3	8
iv. United States	3	8
(2) Enroute—High Altitude Charts		
i. Alaska	3	8
ii. Europe and North Africa and Middle East	3	8
iii. United States	3	8
(3) Enroute—Low and High Altitude Charts and Area—Terminal Area Charts		
i. Africa	3	5
ii. Australia, New Zealand and Antarctica	3	5
iii. Pacific and South Asia	3	5
(4) Enroute—Supplement		
i. Africa	3	5
ii. Alaska	3	8
iii. Australia, New Zealand and Antarctica	3	5
iv. Caribbean and South America	3	8
v. Europe, North Africa and Middle East	3	8
vi. Pacific and South Asia	3	5
vii. United States—IFR	3	8
viii. United States—VFR	3	8
(5) Enroute—Low and High Altitude Charts, Area—Terminal Area Charts/Supplements		
i. Caribbean and South America	2	5
ii. Europe, North Africa and Middle East	2	5
iii. United States	2	5
<i>c. Terminal—Low/High Altitude Instrument Approach Procedures</i>		
(1) Low Altitude Instrument Approach Procedures		
i. Canada and North Atlantic	2	8
ii. Caribbean and South America	2	8
iii. Europe, North Africa and Middle East	2	8
iv. Pacific and South Asia	2	8
v. United States—Northeast	2	8
vi. United States—Northcentral	2	8
vii. United States—Southeast	2	8
viii. United States—Southcentral	2	8
ix. United States—Northwest	2	8
x. United States—West	2	8
xi. United States—Southwest	2	8
xii. United States—Central	2	8
xiii. United States—East	2	8

	<i>Address B</i>	<i>Address C</i>
(2) Terminal High Altitude Instrument Approach Procedures		
i. Canada and North Atlantic	2	8
ii. Caribbean and South America	2	8
iii. Europe, North Africa and Middle East	2	8
iv. Pacific and Southeast Asia	2	8
v. United States—Northeast	2	8
vi. United States—Southeast	2	8
vii. United States—Northwest	2	8
viii. United States—Southwest	2	8
(3) Terminal Low and High Altitude Instrument Approach Procedures		
i. Africa	2	8
ii. Alaska	2	8
iii. Australia, New Zealand and Antarctica	2	8
d. FLIP Wall Planning Chart		
Wall Planning Chart—Low Altitude		
(1) Europe, North Africa and Middle East	2	8
(2) United States	2	8

NOTE: All of the above publications are maintained on a current basis and any amendments or revisions will be automatically forwarded.

#### 6. *Source Materials*

Aeronautical information source materials will be automatically furnished to DCARTO as follows:

	<i>Address B</i>	<i>Address C</i>
a. FIO Alaska (DMAAC)—Flight Information List	1	3
b. ADDN (DMAAC)—Periodic Messages	I	
c. Mailing and Shipping Instructions: Flight Information Publications will be furnished to: Addresses B and C, paragraph 22, SECTION FIVE.		

#### 7. *Reproduction Materials for Flight Information Publications*

Reproduction materials required for production of Flight Information Publications, where requirements may be satisfied by materials produced by either DCARTO or DMAAC, will be exchanged upon request.

8. DMAAC will furnish unexposed stable base film in quantity and dimensions suitable for preparation of reproduction materials of FLIP Enroute Canada and North Atlantic—high and low altitude charts to be furnished DMAAC. The film will be forwarded as follows:

US Air Attache  
American Embassy, USDAO PO BOX 1514  
Ottawa, Ontario, Canada  
K1P 5R5

Marked: Department of Energy, Mines and Resources

#### 9. *Gravity Data*

DMAAC will furnish gravity data and related technical information within permissible terms on request. Such material will be addressed to:



Chief, Gravity and Geodynamics Division  
 Department of Energy, Mines and Resources  
 1 Observatory Crescent  
 Ottawa, Ontario, Canada  
 K1A 0E4

10. *Publications and Technical Information*

Current editions will be provided initially. Thereafter, new editions or applicable amendments will be furnished automatically in the same quantities:

	<i>Address A</i>	<i>Address C</i>
<i>a.</i> DMAAC Technical Reports, Papers and Studies;	4	
<i>b.</i> DMAAC Production Specifications for the Nav/Plan Series Charts with Amendments;	5	
<i>c.</i> DMAAC Production Specifications for Flight Information Publications with Amendments;		2
<i>d.</i> DMAAC Bulletin;	5	60
<i>e.</i> DMAAC Bulletin Digest;	5	60
<i>f.</i> DMAAC Chart Updating Manual;	5	60
<i>g.</i> DoD Catalogue of Aeronautical Charts and Flight Information Publications with Amendments; and	5	60
<i>h.</i> Mailing and Shipping Instructions (Items a to g incl). Documents will be forwarded to addresses A and C, paragraph 22, SECTION FIVE.		

SECTION THREE

*Canadian Responsibility*

11. *Charts and Special Items.* DCARTO will furnish the following charts and special items. Current editions will be provided initially. Thereafter, new editions will be furnished automatically as soon as produced.

- a.* Aeronautical Charts. 4 Copies Each  
 —1:500,000 scale Canadian Pilotage Charts—Aeronautical Edition.
- b.* Aeronautical Charts. 10 Copies Each
  - (1) 1:250,000 scale—1501 Air Joint Operations Graphics (1501A);
  - (2) 1:500,000 scale Low Level Pilotage Charts;
  - (3) 1:1,000,000 scale World Aeronautical Charts;
  - (4) 1:1,000,000 scale Aeronautical Route Charts.
- c.* Plotting Charts and Special Items. 2 Copies Each
  - (1) 1:5,000,000 scale North Atlantic Plotting Chart;
  - (2) 1:3,000,000 scale Canadian Navigation Plotting Chart;
  - (3) 1:3,000,000 scale Canadian Polar Plotting Chart;
  - (4) 1:3,000,000 scale Navigation Route Chart;
  - (5) 1:2,000,000 scale RCAF Maritime Plotting Chart;
  - (6) 1:3,000,000 scale Tacan Facility Charts;
  - (7) 1:1,000,000 scale Mercator Plotting Chart;
  - (8) 1:250,000 scale Blank Mercator Plotting Chart;
  - (9) 1:500,000 scale Blank Mercator Plotting Chart;
  - (10) 1:1,000,000 scale Blank Mercator Plotting Chart;
  - (11) 1:1,000,000 scale Navigation Plotting Chart (Blank);

- (12) 1:500,000 scale Navigation Plotting Chart (Blank);  
 (13) 1:6,000,000 scale Canadian Northwestern Europe Plotting Chart.

d. Mailing and Shipping Instructions—

The Aeronautical Charts listed in paragraphs 11.a., 11.b. and 11.c. will be forwarded to:

Defense Mapping Agency Aerospace Center  
 Attn.: ADL  
 8900 South Broadway  
 St. Louis, MO 63125  
 USA

12. *Reproduction Materials*

Upon request, DCARTO will furnish reproduction materials (film positives) for all aeronautical charts produced for defence requirements (marked DND) on a quid pro quo basis. The letter of request will state the address to which these reproduction materials are to be shipped. The materials required can be determined from new editions of charts furnished automatically as specified in paragraph 11, above.

13. *Additional Stock of Aeronautical Charts*

DCARTO will, as mutually arranged, furnish additional aeronautical charts and related data for operational stocks, training, and similar requirements of the US Forces, as Canadian stocks permit, or as mutually arranged, on a quid pro quo basis.

14. *Textual and Graphic Data*

DCARTO will furnish the following textual and graphic information automatically:

a. Items

	<i>Copies</i>
(1) Canadian Forces Catalogue—Maps, Aeronautical Charts and Flight Information (CFP 292)	4
(2) Catalogue of Published Maps (DEMR)	2
(3) Catalogue of Maps Available, DND (CFAO 36-17 with amendments)	3
(4) List of Current Canadian Aeronautical Charts	6
(5) List of New and Converted Maps Published	5
(6) Selected Accessions—New Maps	1
(7) Accessions List of Books, Pamphlets and Periodicals	1
(8) Production programs and status reports, with appropriate graphics showing areas in which work is planned, in [progress], or accomplished by Canadian governmental agencies engaged in mapping or charting	1 each
(9) Reports on Regional Gravity Surveys	1
(10) Gravity Status Reports	1
(11) Catalogue of Maps (produced by Mapping and Charting Establishment, Department of National Defence)	1

b. Mailing and Shipping Instructions—

The items listed in paragraph 14. will be forwarded to:

Defense Mapping Agency Aerospace Center  
 Attn: ADL  
 2nd and Arsenal Streets  
 St. Louis, MO 63118  
 USA

15. *Gravimetric Material*

DCARTO will furnish gravity data and related technical information within permissible terms on request. Such material will be addressed to:

Defense Mapping Agency Aerospace Center  
Attn: RDN  
South Annex  
St. Louis Air Force Station, MO 63125  
USA

16. *Services to be Provided by DCARTO to DMAAC*

On new or revised editions of Canadian produced WACs, DCARTO will send DMAAC/PPCC a marked up lithographic copy of the previous edition or a composite positive of the new edition which identifies the changes that have been incorporated into the chart. Based on an evaluation of the changes, the current stock level and production capabilities, DMAAC will make the decision whether or not to produce a new edition. A complete set of reproduction materials will be requested from DCARTO if production is required.

17. *Aeronautical Information*

DCARTO will furnish the following aeronautical information automatically. Current editions will be provided initially. Thereafter, new editions or applicable amendments will be provided automatically in like quantities.

a. *Canadian Forces Publication Depot*

	<i>Address A</i>	<i>Address B</i>
(1) DND Flight Information Publication—Terminal		
(a) Canada and North Atlantic (low)	3	
(b) Canada and North Atlantic (high)	3	
(2) DND Flight Information Publications—Enroute		
(a) Canada and North Atlantic	2	
(b) Canada and North Atlantic Supplement	2	
(3) GPH, Manual of Criteria for the Development of Standard Instrument Approach Procedures	13	
(4) Search and Rescue Orders and Procedures (CFP 209)	1	

b. *Department of Energy, Mines and Resources*

(1) Canada Air Pilot		
(a) East (Winnipeg to Atlantic Coast)	7	
(b) West (Winnipeg to Pacific Coast)	7	
(c) Water Aerodrome Supplement	5	
(d) Designated Airspace Handbook	9	
(e) Canadian Aerodrome Directory	9	1
(2) Flight Information List	3	1

c. *Department of Transport*

(1) Class II NOTAM	1	1
(2) Information Circulars	1	1
(3) Air Traffic Control Circular Letters	1	
(4) Canadian Location Identifiers	1	
(5) List of Broadcasting Stations in Canada	1	
(6) Air Navigation Radio Aids	2	1

	<i>Address A</i>	<i>Address B</i>
(7) Radio Aids to Marine Navigation—Atlantic and Great Lakes	1	1
(8) Radio Aids to Marine Navigation—Pacific	1	1
(9) List of Lights and Fog Signals—Atlantic Coast	1	
(10) List of Lights and Fog Signals—Inland Waters	1	
(11) List of Lights and Fog Signals—Newfoundland	1	
(12) List of Lights and Fog Signals—Pacific Coast	1	1
(13) Air Regulations and Aeronautics Act	1	1
(14) Air Navigation Orders	1	1
(15) Notice to Mariners	1	
(16) Manual of Operations, Air Traffic Control, Parts 1 to 7	1	1

d. Mailing or Shipping addresses for materials in paragraph 17 shipped to the United States are as follows:

(1) Address A:

Defense Mapping Agency Aerospace Center  
Attn: ADL  
South Annex  
8900 South Broadway  
St. Louis Air Force Station, MO 63125  
USA

(2) Address B:

DMAAC Flight Information Office Alaska  
APO Seattle 98742, USA

#### 18. *Reproduction Materials*

a. DCARTO will automatically furnish DMAAC the reproduction materials required for production of FLIP Enroute Canada and North Atlantic, high and low altitude charts. The supplement is not included. At the same time the above materials are forwarded, available DCARTO FLIP Enroute Production Schedules will be furnished. This material will be forwarded to DMAAC by the most expeditious means possible.

b. Mailing and Shipping Address. The above material will be forwarded as follows:

Defense Mapping Agency Aerospace Center  
Attn: PD  
St. Louis Air Force Station, MO 63118  
USA

#### SECTION FOUR

#### 19. *Transmittal Procedures*

a. Each shipment of materials provided by either party will contain two copies of a transmittal paper (shipping ticket) listing all items included in the shipment. A third copy of the transmittal paper will be forwarded to the consignee by mail as an advance notice of shipment; and

b. All transmittals which accompany shipments made in accordance with this arrangement will bear the notation "Exchange Materials".

#### 20. *Costs*

a. Material will be exchanged on a quid pro quo basis; and

b. The cost of mailing or shipping materials will be borne by the transmitting agency.

#### SECTION FIVE

#### 21. *Communications*

Correspondence relating to the provisions of this arrangement will be between the following offices:

- a. Defense Mapping Agency Aerospace Center  
Attn: PPCF  
St. Louis Air Force Station, MO 63118  
USA
  - b. Director of Cartography  
National Defence Headquarters  
Ottawa, Ontario, Canada K1A 0K2
22. Mailing or shipping addresses for materials shipped to Canada are as follows:
- a. Address A:  
Director of Cartography  
National Defence Headquarters  
Ottawa, Ontario, Canada K1A 0K2  
Attn: CF Map and Chart Depot  
Marked: Duty Free Under Canadian Tariff Item 17200-1
  - b. Address B:  
Director of Cartography  
National Defence Headquarters  
Ottawa, Ontario, Canada K1A 0K2  
Attn: DCARTO-4  
Marked: Duty Free Under Canadian Tariff Item 17200-1
  - c. Address C:  
Commanding Officer  
Canadian Forces Publications Depot  
CFB Rockcliffe  
Ottawa, Ontario, Canada K1A 0K7  
Marked: Duty Free Under Canadian Tariff Item 17200-1

## ANNEX C

### EXCHANGE OF HYDROGRAPHIC CHARTS

#### 1. *Purpose*

The purpose of this annex is to define arrangements for the quid pro quo exchange of hydrographic charts and related materials, and National Ocean Survey produced aeronautical charts, of mutual interest between the United States and Canadian Mapping and Charting agencies. The United States Agency is the Defense Mapping Agency Hydrographic Center (DMAHC), Washington, D.C. The Canadian Agency for military requirements is the Directorate of Cartography, National Defence Headquarters, Ottawa, Ontario (DCARTO), and for other nautical material and the bulk supply of Canadian nautical charts, the Canadian Hydrographic Service (CHS), Ottawa. Exchanges of materials and charts with CHS are conducted under the Memorandum of Arrangement between the United States Defense Mapping Agency and the Canadian Hydrographic Service.

#### 2. *Materials from DMAHC*

- a. *Classified Materials*
- (1) DMAHC agrees to furnish DCARTO automatically with:
- (a) classified bottom contour and wreck charts and publications, produced by DMAHC within the geographic limits of latitudes 40°N to 90°N and longitudes 30°W to 170°W.
  - (b) NATO classified operational charts in the 200-1G and 200-2G series.
  - (c) HO Pubs 761, 770, 773, TR72, SP130 and Misc. No. 15678.

- (2) DMAHC agrees to furnish DCARTO on demand with:
- (a) classified bottom contour and wreck charts and publications produced by DMAHC outside the geographic limits specified in (1)(a) above to meet Canadian Maritime operational requirements.
  - (b) HO Pubs 771, 772, 774, 781, 911, 930, SP106, SP107, TR119.
- (3) A complete list of the quantities required of the above charts and publications will be provided semi-annually in June and December by DCARTO. Such lists and any interim amendments found necessary will become part of this agreement. See Addendum List #1 to this Annex.\*
- b. *Unclassified Materials*

DMAHC agrees to furnish DCARTO charts, publications, etc., in quantities as specified in a list submitted semi-annually by DCARTO to DMAHC in June and December and amended as necessary during each year. Such lists and interim amendments will become part of this agreement and will be furnished to each holder of a copy of the basic agreement. See Addendum List #2 to this Annex.

### 3. *Materials from DCARTO*

DCARTO agrees to furnish DMAHC automatically the following classified materials produced by Canadian Hydrographic Agencies:

- a. *Charts*. 4 copies of non-sub-contact charts of east coast and contingent waters of Canada.
- b. *Other Publications*. 4 copies of non-sub-contact list N W Atlantic and Confidential DND Navigational Notices.

### 4. *Additional Requirements*

Either party will supply to the other, on request, copies of material specified in paragraphs 2 and 3 in quantities consistent with operational requirements.

### 5. *US National Ocean Survey (NOS) Products*

- a. Canadian requirements and requests for US National Ocean Survey nautical and aeronautical charts and nautical publications will be submitted to:

Defense Mapping Agency Hydrographic Center  
Attn: Code DS  
Washington, D.C. 20390  
USA

- b. A complete list of the quantities required of the above NOS products will be provided semi-annually in June and December by DCARTO. Such lists and any interim amendments found necessary will become part of this agreement. See Addendum List #3 and #4 to this Annex.
- c. Aeronautical charts will be shipped to Address A or B, paragraph 22, Annex B, as specified by the requester.

### 6. *Channel for Transmittals*

- a. Materials furnished to DMAHC will be addressed to:

Defense Mapping Agency Hydrographic Center  
Attn: Code DS  
Washington, D.C. 20390  
USA

- b. Materials furnished to DCARTO will be addressed to:

- (1) Director of Cartography  
National Defence Headquarters  
Ottawa, Ontario, Canada  
K1A 0K2  
Attn: DCARTO/Maritime

\* Not printed. The addendum lists are deposited in the archives of the Department of State where they are available for reference.

- (2) Hydrographic Services Office (Halifax)  
c/o Forces Mail Office  
Halifax, N.S. Canada  
B3K 2X0
- (3) Hydrographic Services Office (Esquimalt)  
CFB Esquimalt (Dockyard)  
FMO, Victoria, British Columbia, Canada  
VOS 1B0

7. The exchange and intersupply of unclassified publications, reproduction material and field survey data between DMA and CHS shall be in accordance with the terms of the Memorandum of Arrangement between these two Agencies, a copy of which is attached for information purposes. Materials provided under this arrangement for use by Department of National Defence will be addressed to:

- a. Hydrographic Services Office (Halifax)  
c/o Forces Mail Office  
HMC Dockyard  
Halifax, N.S. Canada  
B3K 2X0
- b. Hydrographic Services Office (Esquimalt)  
CFB Esquimalt (Dockyard)  
c/o Forces Mail Office  
FMO, Victoria, British Columbia, Canada  
VOS 1B0

8. *Operation/Transmittal Procedures*

- a. *Shipping costs*  
The costs of mailing or shipping materials will be borne by the transmitting agency.
- b. *Transmittal procedures*

Each shipment will include appropriate supporting documents as follows:

- (1) To United States of America. Two copies of a transmittal paper listing all items shipped are to be enclosed in the shipment. A third copy of the transmittal paper will be forwarded separately to the consignee as advance notice of shipment. A fourth copy will be sent to the Director, Defense Mapping Agency Hydrographic Center, Washington, D.C., 20390, U.S.A. for shipments consigned to DMA Depots, Philadelphia or Clearfield. All transmittals, including supporting documents, will bear the notation: "Exchange Agreement Material—Canadian Government Charts/Publications, Duty Free."
- (2) To Canada. One copy of a transmittal paper listing all items shipped is to be enclosed in the shipment. A copy of the transmittal paper will be forwarded separately to both the Directorate of Cartography, National Defence Headquarters, Ottawa, Canada, and to the Canadian Hydrographic Service, Marine Surveys Directorate, Ottawa, Canada as advance notice of shipment. All transmittals, including supporting documents, will bear the notation: "Exchange Agreement material—United States Government Charts/Publications, Duty Free".