



DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20350

SECNAVINST 3160.2B
OP-952
7 OCT 1983

SECNAV INSTRUCTION 3160.2B

From: Secretary of the Navy

Subj: Navy Support of the U.S. Antarctic Program

Encl: (1) OMB Circular A-51 of 4 Aug 1971 (revised)
(2) NSDM 318
(3) SECDEF memo to SECNAV of 16 Oct 1971
(4) UNSECNAV memo to ASN(R&D) of 20 Mar 1971
(5) DOD and NSF Memo of Agreement for Logistic Support and LC-130R Aircraft Operations for Antarctic Program of 28 Nov 1975

1. Purpose. To inform Navy commands and offices of the policy regarding Navy support for the U.S. Antarctic Program.

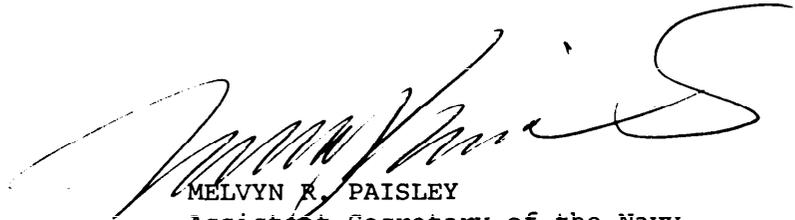
2. Cancellation. SECNAVINST 3160.2A.

3. Background. Enclosures (1) and (2) define the U.S. Antarctic Program, provide guidance on Federal agency support of the program, assign program responsibility to the National Science Foundation, and direct the Department of Defense to provide logistic and operational support for the program. Enclosure (3) designates the Secretary of the Navy as Executive Agent of the DOD in the logistic and operational aspects of the program. The Assistant Secretary of Defense for International Security Policy (ASD(ISP)) will continue to provide Antarctic Policy representation for the DOD. Enclosure (4) assigns the Assistant Secretary of the Navy for Research, Engineering and Systems (ASN(RES)) as the Navy coordinator for the U.S. Antarctic Program. As the Navy Polar Programs Coordinator, the Director, Naval Oceanography (OP-952) has been assigned as the OPNAV program sponsor.

4. Action. The Commander, U.S. Naval Support Force, Antarctica, under the ultimate command of the Chief of Naval Operations, will act as the Commander of all military forces supporting the U.S. Antarctic Program. He is given authority to conduct such liaison and coordination with other DOD and federal agencies as necessary in the accomplishment of the operational responsibilities he incurs as a consequence of this directive. The Director, Naval Oceanography (OP-952) will serve as Executive Agent and provide staffing for ASN(RES) in carrying out Navy responsibilities in

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the U.S. Antarctic Program. The ASN(RES) will, as requested, furnish advice to ASD(ISP) in furtherance of the latter's responsibility to the Secretary of Defense for Antarctic policy guidance.



MELVYN R. PAISLEY
Assistant Secretary of the Navy
(Research, Engineering and Systems)

Distribution:

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7 OCT 1983

Copy to:

Assistant Secretary of Defense, International Security Policy
Special Assistant to the Secretary and Deputy Secretary of
Defense
Secretary of the Army
Secretary of the Air Force
Department of State
National Science Foundation
Department of Commerce
Department of the Interior
Geological Survey, Department of the Interior
Department of Transportation
National Oceanic and Atmospheric Administration
Commander, Military Airlift Command
Office of Management and Budget
Arms Control and Disarmament Agency
Assistant for National Security Affairs, Office of the President

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EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

August 4, 1971

SECNAVINST 3160.2B
7 OCT 1983
CIRCULAR NO. A-51
Revised

TO THE HEADS OF EXECUTIVE DEPARTMENTS AND ESTABLISHMENTS

SUBJECT: Planning and conduct of the United States program
in Antarctica

1. Purpose. This Circular provides the basis for the planning, funding, management, and conduct of the United States program for Antarctica. This revised Circular supersedes Circular No. A-51, dated August 3, 1960.

2. Assignment of responsibility.

a. The Antarctic Policy Group shall serve as the policy guidance body for the totality of U.S. activities under the Antarctic Treaty. The Antarctic Policy Group will review each year's operations plan for Antarctica on a schedule coordinated with the budget cycle. Antarctic Policy Group membership shall consist of the Secretary of State (Chairman); the Director of the National Science Foundation; the Secretary of Defense; or their designees, and representatives of such other agencies as may be invited by the Chairman to participate on an ad hoc basis. The Interagency Antarctic Committee shall serve as a coordinating organization for the Antarctic Policy Group. Committee membership shall include representatives of all agencies having significant interests or program activities in Antarctica, as determined by the Policy Group. The Antarctic Policy Group may establish such additional subsidiary committees as may be necessary to facilitate the work of the Group.

b. The National Science Foundation shall:

(1) Be responsible for all aspects of developing and implementing an integrated U.S. program for Antarctica, except for responsibilities specifically assigned to other agencies by this Circular.

(2) Fund the U.S. program in Antarctica, including logistic support activities, except where such services are funded by the Department of Defense or the Department

(No. A-51)

Enclosure (1)

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of Transportation in accordance with the provisions of c. and d. below, or by other agencies as determined by the Office of Management and Budget.

(3) Fund university or other non-Federal research programs and all Federal agency scientific programs insofar as they pertain to Antarctica.

(4) Draw upon the logistic support capabilities of government agencies on a mutually agreed reimbursement or non-reimbursement basis, or use commercial or other support and management capabilities where these are determined to be cost effective.

(5) Designate a Senior United States Representative in Antarctica.

(6) Serve as the clearinghouse and source of information regarding the existence and location of Antarctic records, files, documents, and maps maintained within the various executive agencies and non-governmental organizations.

(7) In consultation with the Department of State, coordinate and arrange for the conduct of cooperative scientific programs with other nations participating in Antarctica research under the terms of the Antarctic Treaty.

c. The Department of Defense shall:

(1) Plan and carry out logistic support requested by the National Science Foundation, and such other programs and functions as may be requested by the Foundation or the Antarctic Policy Group, and in this connection assure the continuing availability, on a mutually acceptable reimbursement or non-reimbursement basis, of essential logistic support components.

(2) Fund and procure all aircraft required to provide the logistic support or perform other programs or functions requested pursuant to paragraph c.(1).

(3) Procure other essential logistic support components for the U.S. program for Antarctica, on a mutually acceptable reimbursement or non-reimbursement basis, as requested by the National Science Foundation.

(4) Through the Commander of the military support force, exercise operational management and control, including

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the determination of safety and feasibility, over logistic support and other programs and functions in Antarctica assigned or requested pursuant to paragraph c.(1) above and make all reasonable efforts to provide the support necessary to fulfill the objectives of the U S. Antarctic program.

d. The Department of Transportation shall fund icebreaker services requested by the National Science Foundation for the U.S. program in Antarctica through fiscal year 1972. Funding responsibilities for icebreaker services rendered in support of the U.S. Antarctic program after fiscal year 1972 shall be in accordance with arrangements mutually agreed upon by the Department of Transportation, the National Science Foundation, and the Office of Management and Budget. The Department of Transportation shall make all reasonable efforts to assure the availability of icebreaker services as requested by the National Science Foundation for the Antarctic program.

e. The Department of State is responsible for the formulation of foreign policy and the provision of foreign policy direction relating to the development and implementation of an integrated U.S. program for Antarctica; for the conduct of foreign relations regarding Antarctica; and for legal matters relating to the interpretation and implementation of the Antarctic Treaty.

3. Relations between the National Science Foundation and other organizations in carrying out an integrated U.S. program for Antarctica.

a. Executive Departments and agencies shall cooperate with the National Science Foundation in fulfilling its responsibilities for the U.S. Antarctic program, and shall appoint agency representatives to advisory committees as may be requested by the Director of the National Science Foundation.

b. Federal agencies interested in scientific or other activities for Antarctica, either to be conducted by their own staffs or by other agencies and personnel, should inform the National Science Foundation of their interests and of those aspects of proposed activities which might be included in the U.S. scientific program to be developed and funded by the Foundation. The Foundation shall make allocations to Federal agencies and grants and contracts to non-Federal organizations for scientific and logistic support activities

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it deems necessary and appropriate to the conduct of the U.S. program in Antarctica.

c. The National Science Foundation shall advise the Department of Defense and the Department of Transportation, or other appropriate agencies, of the program plans for Antarctica in sufficient time and in sufficient detail so that the required supporting programs may be developed on an orderly basis. The Departments of Defense and Transportation, and other appropriate agencies, shall in turn, consult and collaborate with the National Science Foundation and keep it fully informed regarding all aspects of program support planning and operations for which they have been assigned responsibility. The Departments of Defense and Transportation or other appropriate agencies shall present to the National Science Foundation statements covering the actual and estimated costs of their support for the Antarctic Program. These statements shall cover the past, current and budget years and shall be submitted at an agreed time each year as necessary to meet the Federal budget requirements.

GEORGE P. SHULTZ
DIRECTOR

Enclosure (1)

7 OCT 1983

National Security Council

Washington, D.C. 20506

~~CONFIDENTIAL~~

Declassified: 19 May 1977

February 25, 1976

National Security Decision Memorandum 318

TO: The Secretary of State
The Secretary of the Treasury
The Secretary of Defense
The Secretary of Interior
The Secretary of Commerce
The Secretary of Transportation
The Administrator, Federal Energy Administration
The Director, Arms Control and Disarmament Agency
Director of National Science Foundation
Chairman, Council on Environmental Quality

SUBJECT: U.S. Policy for Antarctica

The President has reviewed the memorandum forwarded by the Chairman of the NSC Under Secretaries Committee on November 29, 1975, which deals with funding levels and management arrangements for the U.S. Antarctic Program.

The President reaffirms the importance of maintaining an active and influential United States presence in the Antarctic. Under present budget constraints, the President has decided that the level of U.S. activity should be maintained at least at the present level. This is generally described in the report as Level III.

The President reaffirms NSDM 71, in particular the requirements that the National Science Foundation:

1. Budget for and manage the entire United States national program in Antarctica, including the funding of logistic support activities so that the program may be managed as a single package.
2. Continue to fund university research and federal agency programs related to Antarctica;
3. Draw upon logistic support capabilities of government agencies on a cost reimbursable basis; and

~~CONFIDENTIAL~~ - GDS

Declassified: 19 May 1977

Enclosure (2)

~~CONFIDENTIAL~~

Declassified: 19 May 1977

4. With approval of the Antarctic Policy Group, use commercial support and management facilities, in lieu of logistic support from government agencies, where these are determined by the National Science Foundation to be cost effective, and by the Antarctic Policy Group not to be detrimental to the national interest.

The President notes that United States national interests in Antarctic go well beyond the normal range of responsibilities of the National Science Foundation and directs that NSF funding for the U.S. Antarctic Program should not be at the expense of other NSF programs. The funds made available to NSF for the Antarctic are not to be utilized for other purposes.

The President agrees that the use of logistic support by the Department of Defense--assisted by the Coast Guard--gives the U.S. an important flexibility and reach to operate in that area. The DOD and DOT are to maintain the capability to provide the logistic support requested by the National Science Foundation, and are to develop in collaboration with the Foundation, the logistic arrangements and cost structure required to ensure effective and responsive program support at minimum cost.


Brent Scowcroft

cc: The Chairman, Joint Chiefs of Staff
The Director of Central Intelligence
Chairman, Under Secretaries Committee

~~CONFIDENTIAL~~ - GDS

Declassified: 19 May 1977

Enclosure (2)

THE SECRETARY OF DEFENSE
WASHINGTON, D. C. 20301

SECNAVINST 3160.2B

7 OCT 1983

OCT 16 1971

MEMORANDUM FOR The Secretary of the Navy

SUBJECT: Responsibilities for U.S. Antarctic Program Support

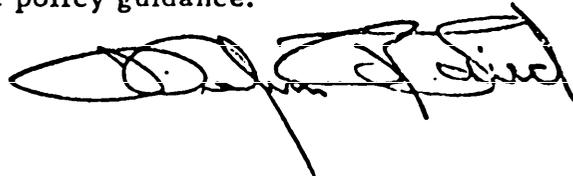
The Office of Management and Budget Circular No. A-51 (Revised) of 4 August 1971, charges the Department of Defense (DOD) with planning and carrying out operations in support of scientific and other programs in Antarctica.

Through membership on the Antarctic Policy Group (APG), the DOD also assists in policy development for the U.S. Antarctic Program. Under the original Circular A-51 of 3 August 1960, the DOD provided similar support; however, at that time, the funding support was also provided by DOD. The Navy was assigned the logistic support authority by a Secretary of Defense to Secretary of the Navy memorandum, dated 24 April 1965.

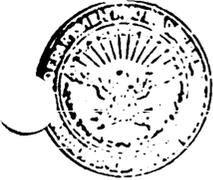
As of 1 July 1971, the National Science Foundation will exercise all funding management for the U.S. Antarctic Program. Therefore, the Circular A-51 has been revised and reissued to reflect this change.

You are hereby redesignated as Executive Agent of the DOD for the logistic support function for the U.S. Antarctic Program. You are authorized to solicit the assistance of the Departments of the Army and Air Force as well as appropriate Assistant Secretaries of Defense in carrying out this function. In addition, you are given authority to conduct appropriate liaison with other Government agencies in meeting this responsibility. The logistic support furnished by the DOD shall be on a mutually-acceptable reimbursable or non-reimbursable basis and shall be in accordance with a Navy-negotiated agreement between the Department of Defense and the National Science Foundation.

The Commander, U.S. Naval Support Force, Antarctica will furnish program policy advice, as requested, to the Department of Defense representative on the APG in furtherance of the latter's responsibility to the Secretary of Defense for Antarctic policy guidance.

A handwritten signature in black ink, appearing to be "D. J. [unclear]", written over a horizontal line.

Enclosure (3)



THE UNDER SECRETARY OF THE NAVY

WASHINGTON, D.C. 20350

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20 March 1971

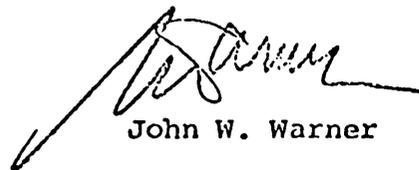
MEMORANDUM FOR THE ASSISTANT SECRETARY OF THE NAVY
(RESEARCH AND DEVELOPMENT)

Subj: Antarctic program coordination

Through NSDM-71 (July, 1970) and public announcement (October, 1970), the President has directed that the program and funding support for the U.S. Antarctic Program be made the responsibility of the National Science Foundation. This will be effective at the commencement of Fiscal Year 1972. In 1965 the Secretary of Defense designated the Secretary of the Navy as the Executive Agent for DOD in providing logistic support for the U.S. Antarctic Program. The National Science Foundation has indicated that both the Navy and the Department of Transportation will continue to be used for Antarctic logistic support under its new responsibility for this program.

In order to provide the highest level management coordination with both the NSF and the DOT, I am designating you as the Navy's representative for Antarctic matters. You are requested to keep the Assistant Secretary of Defense for International Security Affairs advised of the status of this liaison function where matters of mutual interest are concerned.

It is suggested that a memorandum of agreement be concluded with NSF to enumerate the areas of coordination and support that are required from the Navy.



John W. Warner

Copy to:
Dr. Owen (NSF, AD/NI)
ASD (ISA)
CTF 43
OCEANAV
CNR
CND
DNL
Commandant, USCG

Enclosure (4)

SECNAVINST 3160.2B
NUMBER: NSF CA-165
7 OCT 1983

MEMORANDUM OF AGREEMENT

Parties : DEPARTMENT OF DEFENSE
and
NATIONAL SCIENCE FOUNDATION
Title : Logistic Support and LC-130R Aircraft
Operations for Antarctic Program
Authority : This agreement is entered into pursuant
to the National Science Foundation Act
of 1950, as amended, 42 U.S. Code 1870.

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SECTION A - BACKGROUND

1. Since the International Geophysical Year (IGY), 1957-58, the National Science Foundation (NSF) has exercised the principal management role in the development and execution of an integrated U.S. scientific program for Antarctica - generally referred to as the United States Antarctic Research Program (USARP) - while the Department of Defense (DOD), through the Department of the Navy, has planned and carried out operations in support of scientific and other activities in Antarctica. The Commander of the Military Support Force has been the senior U.S. representative in Antarctica, and has had the responsibility for determining the feasibility and safety of Antarctic operations, including ventures such as private aviation expeditions by U.S. citizens and rendering humanitarian assistance to other nations' expeditions in Antarctica. The responsibilities of the NSF, the DOD and the Commander of the Military Support Force were formally assigned in Office of Management and Budget (OMB), then Bureau of Budget (BUBUD), Circular A-51, dated August 3, 1960.
2. After consideration of an Antarctic policy review, the President in October 1970, reaffirmed a continuing U.S. interest in Antarctica and in the scientific work undertaken in Antarctica with the other eleven nations (Argentina, Australia, Belgium, Chile, France, Japan, New Zealand, Norway, The Republic of South Africa, The Union of Soviet Socialist Republics, and the United Kingdom) signatory to the Antarctic Treaty. He also decided to consolidate funding and program management responsibilities for all U.S. activities in Antarctica within the NSF commencing with Fiscal Year 1972. Accordingly, the NSF is charged with:
 - a. Budgeting for the entire United States national program in Antarctica, including the funding of logistic support activities, except where they are funded by the DOD or the Department of Transportation;
 - b. Continuing to fund university research and federal agency programs related to Antarctica;
 - c. Drawing upon logistic support capabilities of government agencies on a mutually acceptable reimbursement or non-reimbursement basis; and
 - d. Using commercial support and management facilities where these are determined to be cost effective.

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3. The OMB Circular A-51 (Revised) dated August 4, 1971, defined the new responsibilities of the agencies for the United States program in Antarctica.
4. As a result of Congressional action in the 92nd Congress (Public Law 92-607) funds were appropriated to the NSF for the procurement of three ski-equipped aircraft (hereinafter referred to as NSF aircraft). This action represented a realignment of responsibility for aircraft procurement from the DOD to the NSF and resulted in procurement of these three aircraft pursuant to Interagency Agreement No. NSF-CA101 between the DOD and the NSF. In addition, the NSF has requested authorization to procure two more LC-130R aircraft in FY 1976. A separate Memorandum of Agreement will be executed for this procurement.
5. Two DOD/NSF Memoranda of Agreement were executed to provide for logistic support and to cover operation of NSF aircraft. These agreements, NSF CA-55 and NSF CA-127, expire June 30, 1975. The following sections and appendices supersede these documents and constitute agreement between the DOD and the NSF regarding logistic support and LC-130R aircraft operations commencing July 1, 1975.

SECTION B - SCOPE OF LOGISTIC SUPPORT

1. The scope of the DOD logistic support contemplated by this agreement will include equipment, personnel, operations and maintenance and certain supply and other logistic functions deemed essential to success of the program. Details of the essential logistic support elements/functions required from the DOD are contained in Appendix I.
2. The DOD will designate a Military Department (DMD), hereinafter referred to as DOD/DMD, to provide the agreed DOD support for the U.S. program in Antarctica and this DOD/DMD will establish a support force. The Commander, U.S. Military Support Force, Antarctica (CMSFA) will coordinate the operational aspects of air, ship and other logistic support operations for the program as covered by this agreement.

SECNAVINST 3160.2B
SECTION C - POLICY

1. The DOD/DMD shall provide the essential elements/functions of logistic support to the U.S. program in Antarctica as detailed in Appendix I. Reimbursement/non-reimbursement status shall be in accordance with SECTION F - Funding and Appendix II. Additions or deletions to Appendix I will be made according to the procedures in SECTION F - Funding.
2. The NSF shall budget for and fund the logistic support provided by the DOD/DMD in accordance with SECTION F - Funding.
3. Neither the DOD/DMD nor the NSF shall take unilateral actions which result in a change in manpower billets for either the MSFA or the designated aircraft support squadron. Any proposed changes shall be negotiated between the DOD/DMD and the NSF. However, service wide manpower reductions levied against the DOD/DMD may be applied proportionally to the units supporting the U.S. program in Antarctica, but as a normal practice manpower will not be withdrawn until the completion of a forthcoming operating season (annually in March).
4. The DOD/DMD will exert all efforts possible within existing policy guidelines to stabilize the rotation of military personnel for which the NSF has funding responsibility.
5. It is recognized that the military standards for safety of operations must remain unencumbered by the effects of funding management arrangements. Therefore, it is agreed that elements of logistic operational and training support essential to maintain military standards of safety will be provided by the DOD/DMD on a reimbursable basis.
6. Increased costs incurred by DOD in performance of authorized NSF mission functions will be reimbursable. Such increased costs include changes in published DOD Standard Rates for Military Personnel, per diem and permanent change of station costs, e.g., pay raises and per diem rate changes resulting from new legislation.
7. The rights and obligations of the parties to this agreement shall be subject to and governed by this agreement which consists of sections and appendices. Should there be any inconsistency between the agreement, in its original form or as it might be amended, and any specifications or provisions of other documents, the agreement shall control.

SECTION D - RESPONSIBILITIES

1. The NSF has been assigned overall management responsibility in developing and implementing an integrated U.S. program in Antarctica. The NSF has been further directed to draw upon the logistic support capabilities of other sources including government agencies in exercising this management responsibility. The NSF shall task the CMSFA with a program to be supported and the latter will develop fiscal, logistic support, and operations plans according to the schedule set forth in Appendix III. A planning directive will be issued annually prior to the operating season by the CMSFA to prescribe the activities that are under the cognizance of the military support force.
2. In developing logistic support plans, consideration will be given to the following:
 - a. Safety of life and property;
 - b. U.S. National objectives including scientific, political, and economic interests;
 - c. The Antarctic Treaty and internationally agreed measures thereunder, as well as any other treaty commitments the U.S. might have or incur;
 - d. Cost effectiveness; and
 - e. The maintenance and attainment of established DOD/DMD standards of training, habitability, medical service, welfare and recreation, and professional religious and moral guidance for DOD personnel.
3. The CMFSA is assigned responsibility for operational management and control over those logistic support functions provided by the DOD and the Coast Guard (USCG) when units are so assigned. This includes civilian contractor functions over which the CMSFA exercises contractual authority. By separate action of the Director, NSF, he is designated the senior U.S. representative in Antarctica. Further, he is responsible for:
 - a. Coordinated search-and-rescue and equipment recovery plans and operations;
 - b. Safety and feasibility of all logistic support functions provided by DOD and USCG, including:

- (1) DOD and USCG ship operations;
 - (2) Station operations at McMurdo Station, Williams Field, and any other station/camp/field party under his authority;
 - (3) Boating and diving operations at McMurdo Station only; and
 - (4) Any U.S. sponsored air operations.
- c. Criminal jurisdiction over members of the U.S. military services pursuant to the Uniform Code of Military Justice. (The question of criminal jurisdiction over other U.S. sponsored personnel in Antarctica will be a matter of NSF cognizance; however, the CMSFA, in his role as senior U.S. representative in Antarctica, will provide assistance as appropriate.)
- d. Acting as the point of contact within the DOD between the NSF and various DOD/DOT organizations with interest in the U.S. program in Antarctica, with the exception of the designated DOD/DMD aircraft squadron, currently VXE-6, for which Commander Antisubmarine Warfare Wing, U.S. Pacific Fleet is the point of contact.
4. As manager of the overall program in Antarctica, the NSF is responsible for:
- a. Provision of resources to provide adequate base and personnel support facilities for DOD/DMD operations at locations in Antarctica, New Zealand, or other deployed locations required for the program. A program of improvement will be instituted which will achieve DOD/DMD standards except where such standards are precluded by unique conditions at the respective sites;
 - b. Safety and feasibility of logistic support functions and operations not under the responsibility of the CMSFA, including:
 - (1) Other U.S. sponsored ship operations;
 - (2) Shore based boating and diving operations at Palmer Station; and
 - (3) Field parties, camps, and surface traverses which are manned and managed by NSF sponsored civilian personnel.

- c. Coordination of logistic support plans for activities in Antarctica which are not under the operational and management control of the CMSFA.
5. The Head, Office of Polar Programs (OPP) will represent the NSF in carrying out the responsibilities in paragraph 4 above.
6. The NSF retains responsibility and cognizance over all coordination and contacts with foreign countries that may be involved in the conduct of the U.S. program in Antarctica. However, recognizing the operational and management authority conferred on the CMSFA by this agreement, the CMSFA is authorized to conduct liaison as required in carrying out his responsibilities, keeping the NSF informed.
7. The management/operational relationships and responsibilities of the key DOD/DMD and NSF supervisory personnel in Antarctica are defined in more detail in Appendix IV.

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SECTION E - AIRCRAFT OPERATIONS

1. Scope of Section

Purpose. The purpose of this section and its associated appendix is to establish terms and conditions between and to define the responsibilities of the DOD/DMD and the NSF for operations of NSF aircraft. In addition, certain terms, conditions and responsibilities apply to DOD/DMD aircraft operated by the designated DOD/DMD aircraft squadron.

2. Assignment of Aircraft and Home Port. All NSF owned aircraft assigned to the DOD/DMD will be integrated into the designated DOD/DMD aircraft squadron, currently VXE-6. The home port for this squadron, determined by the DOD/DMD, is the Naval Air Station, Pt. Mugu, California.
3. Utilization of aircraft, responsibilities of the parties, and property rights and liabilities are set forth in Appendix V.

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SECTION F - FUNDING

1. The NSF shall budget for and the DOD/DMD shall be reimbursed for the essential logistic support elements/functions previously identified by the DOD/DMD for budget base transfer. In 1971, the OMB made the initial budget base transfer of logistic support elements/functions from the DOD to the NSF. The transfer was based on DOD supplied estimates of their costs in support of the Antarctic operation. The elements/functions were of the type directly attributable and charged to DEEP FREEZE by the Department of the Navy in FY 1971 and prior years. In 1974, the DOD identified to the OMB additional logistic support elements/functions for budget base transfer to the NSF. The OMB completed the transfer of these items for FY 1976 and beyond. The elements/functions are:
 - a. Transportation of material (CONUS);
 - b. Three Navy Officer billets which are assigned to the NSF;
 - c. One Air Force Officer billet which is assigned to the NSF;
 - d. Five Army Officer billets which are assigned to the CMSEA;
 - e. Weather Electronic System Equipment;
 - f. VXE-6 Ground Support Equipment;
 - g. VXE-6 Propeller/Engine Component Support;
 - h. VXE-6 Military Personnel Costs (Mar-Oct);
 - i. VXE-6 Operating Costs (Mar-Oct);
 - j. Permanent Change of Station Costs; and
 - k. Ice Observation/Forecast.
2. Logistics support functions provided by DOD during FY 1976 and FY 1977 that have not been transferred will not be reimbursed during those periods. However, beginning with FY 1978 the NSF shall be responsible for the programming, budgeting, and funding for all logistic support services requested by NSF and rendered by DOD. The DOD is precluded from increasing the scope (adding new cost elements) of Antarctic logistics support services without the prior approval of NSF.

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3. Changes in program scope affecting funding occurring subsequent to issuance of budget approval can be made after consultation and mutual agreement between the Head, OPP and the CMSFA.
4. The ability of the DOD/DMD to provide, plan, and carry out effective and efficient logistic support is dependent upon receipt of detailed approved programs in sufficient time for proper planning and initiation of necessary actions. Therefore, consistent with OMB authorization and Congressional actions, the NSF (OPP) and CMSFA shall comply with the planning schedules contained in Appendix III.
5. When the NSF authorizes expenditures under this agreement later than the first day of any fiscal year, such NSF authorization constitutes approval of any expenditures made under this agreement beginning the first day of such fiscal year.

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SECTION G - EFFECTIVE DATE AND CHANGE PROCEDURES

1. This agreement will be effective retroactively to 1 July 1975.
2. Should new or additional policy guidance impacting this agreement be issued, the parties agree to revise or amend the agreement as necessary to conform with the guidance.
3. In the absence of either additional policy guidance or the expressed desire for cancellation by either party, the agreement will automatically remain in force for subsequent fiscal years in its basic or amended form. The party desiring cancellation shall provide at least one year's notice.
4. The agreement may be amended or revised at any time on agreement of both parties.
5. The representatives of the OPP and the CMSFA will initially attempt to resolve all issues arising within the context of this agreement. In the event issues cannot be resolved at this level, they will be brought before the following authorities, in ascending order:
 - a. The Assistant Director, Astronomical, Atmospheric, Earth, and Ocean Sciences, representing the NSF, and the Assistant Secretary of the Navy (Research and Development), representing the DOD/DMD.
 - b. The Antarctic Policy Group.

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APPENDIX I - LOGISTIC SUPPORT ELEMENTS/FUNCTIONS

1. General. The achievement of U.S. objectives in Antarctica and the success of the extensive research carried on under U.S. sponsorship in Antarctica is dependent on the adequacy of the logistic support provided. The DOD/DMD provides many essential elements/functions of this logistic support either directly or by contract. For economic and other reasons some elements/functions of the logistic support will be provided from other sources. For this agreement to be functional, it is imperative that these elements/functions of logistic support to be supplied and/or managed be clearly identified.

2. DOD/DMD Source. The following list of logistic support elements/functions are required from the DOD/DMD and considered essential by NSF. The list contains significant requirements but does not purport to be all inclusive. Changes to the list will be developed as needed by joint coordination between the Head, OPP, the CMSFA, and affected DOD organizations pursuant to this agreement. Individual functions are further defined where necessary in subsequent paragraphs.
 - Intercontinental airlift
 - Intracontinental and field support airlift
 - Sealift, including ice-strengthened cargo and bulk fuel carriers
 - Facilities planning and engineering services
 - Shore electronics engineering and maintenance
 - Operational weather support, including ice forecasting and ship routing
 - General supply systems operations and management assistance, including parts allowance and inventory control support
 - Subsistence, retail sales, welfare and recreation services
 - Bulk fuel supply systems
 - Contracting support and management services
 - Experimental design, development and testing of equipment and methods to be used in the antarctic environment
 - Medical and health care service
 - Operational communications
 - Personnel necessary to perform required functions

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- a. Intercontinental Airlift. Military airlift support by special mission MAC aircraft and crews qualified for antarctic operations, and access to MAC Channel in accordance with the authorization contained in Tab A. This support is to be supplied between the U.S. and Antarctica. Also included is arranging for special airlift support to the U.S. program in Antarctica as requested by the NSF in situations not defined in this agreement.
- b. Intracontinental and field support airlift (Antarctica). In addition to assurance of the availability of a designated DOD/DMD aircraft squadron, the following elements and functions related to air operations are required:
- (1) The availability and timely assignment of appropriately trained air and ground crew personnel to meet safe operating standards and insure reliable air transport of designated passengers and cargo between CONUS, New Zealand, Antarctic stations, and Antarctic field camps;
 - (2) Air/ground communications for air traffic control, flight following, and relay of operational flight information;
 - (3) Electronic aids to air navigation and visual and electronic aids for approach, landing, and ground operations in Antarctica, including provision of modifications, field changes, and technical services;
 - (4) Airfield control tower and air traffic control center facilities in Antarctica including modification and field changes as required;
 - (5) Aircraft ground support equipment;
 - (6) Aircraft maintenance facilities, equipment, consumables, repair parts, and factory technical representatives;
 - (7) Aircraft survival gear and aircrew cold weather flight gear;
 - (8) Aircraft refueling systems at antarctic operating locations;
 - (9) Equipment and other specialized provisions required to sustain an antarctic para-rescue team;
 - (10) All aircraft spares including replacement major components, rotatable pool supplies, and sufficient stocks of prepositioned spares to assure reliable operations;
 - (11) The rework of aircraft engines and components plus the periodic overhaul of airframes;

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- (12) The capability to conduct ice, weather and navigational reconnaissance in the Antarctic;
 - (13) The capability to conduct aerial photography, photomapping and ice sounding missions as assigned; and
 - (14) The capability to provide aircraft maintenance and ground support assistance, within reasonable limits, for DOD/DOT and other aircraft conducting support missions for the U.S. program in Antarctica.
- c. Sealift. Elements included are: ice-strengthened cargo and bulk fuel carriers for service to and from the U.S., New Zealand, or South America and Antarctica; arrangements for surface lift to New Zealand for cargo to be air lifted to Antarctica early each season; services of cargo handlers and equipment as required.
- d. Facilities planning and engineering services; facilities maintenance and repair; utilities operation and maintenance; civil engineering support equipment operation and maintenance.
- e. Shore electronics engineering and maintenance (except Palmer Station). The electronics associated with aviation support are covered under paragraph 2.b. of this Appendix. This function is required to support all other DOD/DMD supplied shore electronics equipments, including weather and communications systems. The services required on such equipments installed at civilian operated stations are parts support, modifications, field changes, technical manuals, and physical maintenance as requested by NSF. Also included are the services of the Naval Shore Electronics Engineering Activity, Pacific, required annually to perform field antenna maintenance and other electronics engineering services.
- f. Operational weather support. The following elements/functions are required:
- (1) Operational weather service in Antarctica, including facilities, instrumentation, electronic and other equipment installations, and modifications and field changes, plus the remote support of military numerical and satellite weather systems and ice and oceanographic forecasting services; and
 - (2) Relay of operational weather data essential to safe military air and ship operations.

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- g. General supply systems operations and management assistance. Functions include parts allowance and inventory control support. Also, the assistance of appropriate Defense Supply Agency and Navy Supply System activities to assure access to government stocks of standard materials and supplies including medical and dental items and to provide efficient procurement, issue, and positioning of same at standard federal prices. Not included is special category supply support for civilian operated laboratories and for field operations.
- h. Subsistence, retail sales, welfare and recreation services. Subsistence includes the provision of fresh, dry and frozen foods from government or contract sources at a designated point in Antarctica. Retail sales include operation of outlets in New Zealand and McMurdo Station and the provision of stock for outlets maintained at civilian operated stations. Welfare and recreation services include clubs, movies, athletic equipment, etc., in New Zealand and at McMurdo station only. Personnel under the sponsorship of NSF will have privileges in the retail outlets, package stores, movies, clubs, and other recreation activities at joint military/civilian occupied stations in Antarctica and in New Zealand except where prohibited by U.S. or New Zealand law or by agreements between the two governments.
- i. Bulk fuel supply systems. This system includes the fuel delivered to a designated point in Antarctica and the associated storage, transport, and pumping equipment to deliver the fuel to the user.
- j. Contracting support and management services. These services include:
- (1) Negotiating and awarding of contracts written to provide a DOD/DMD logistic support function;
 - (2) Coordinating and supervising contracts awarded by DOD under subparagraph (1) above;
 - (3) Coordinating designated functions of other contracts as stipulated in the contract; and
 - (4) Providing contractors over which the CMSFA has authority with the necessary safety, emergency, and operating instructions with which he must comply.

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- k. Medical and health care services. The services required are:
- (1) Medical/dental facilities and staffing in New Zealand and at the McMurdo Station complex;
 - (2) Screening of medical/dental records for medical/dental/psychiatric acceptability for all personnel deploying under the sponsorship of the DOD or the NSF. Psychiatric screening for wintering personnel will be conducted at specified DOD medical facilities;
 - (3) Consulting/advisory service to assist a contractor in arranging for medical staffing of civilian managed stations;
 - (4) Treatment of medical/dental conditions in DOD and civilian personnel sponsored by either the DOD or the NSF at DOD/DMD facilities in McMurdo and at the New Zealand staging base when medically manned and in consonance with available resources;
 - (5) Medical resupply at military manned stations and assist with medical resupply at civilian manned stations. The latter will be limited to processing orders within the DOD system for those items which are available within the DOD system. These orders shall originate with the contractor medical personnel. Provide medical kits for field parties and camps, the contents of which will be determined by the CMSFA;
 - (6) Training/indoctrination, in the form of an annual cold weather/isolated medicine conference conducted by the CMSFA medical officer, for all U.S. Antarctic station medical personnel; and
 - (7) Coordinated medical evacuation procedures on the Antarctic continent and from Antarctica to New Zealand.
- l. Operational communications support. The CMSFA will provide (or contract for, upon joint agreement with NSF) procurement, installation, operations, and maintenance of communications equipment in Antarctica required for safe operation of activities. Excluded from CMSFA responsibility will be that used in the Antarctic Peninsula area, that supplied by the DOT or other government agencies, and that furnished by the NSF sponsored individuals. Where procurement, installation, operations and/or maintenance of equipment covered by this paragraph is in the hands of an NSF contractor, the NSF will insure that the contractor is responsive to the guidance issued by the CMSFA.
- m. Ice breaker support. Arranging for and coordination of ice breaker support through the USCG.



ASSISTANT SECRETARY OF DEFENSE
WASHINGTON, D.C. 20301

SECNAVINST 3160.2B
7 OCT 1983

INSTALLATIONS AND LOGISTICS

1075

MEMORANDUM FOR Assistant Secretary of the Navy (Research and
Development)

SUBJECT: MAC Channel Transportation for Civilians Involved in the
U.S. Antarctic Program

The Deputy Assistant Secretary of Defense for Policy Plans and NSC Affairs, OASD (International Security Affairs), by a memorandum dated 15 June 1972, established, in coordination with this office, the eligibility of civilians, whose travel is certified by the Navy or the National Science Foundation (NSF) as part of the U.S. Antarctic Program, to travel on Military Airlift Command (MAC) channel flights to and from Antarctica. This travel was authorized as "Space Required," Category 3.

The directive that implemented this authority (OPNAVINST 4630.12C) was superseded by DoD Regulation 4515.13-R. The OASD(ISA) has now requested this office to reconfirm the above travel authority. The requested authority is hereby granted, except that such travelers are to be identified as "Space Required," in Category 12 under paragraph 3-3 of DoD 4515.13-R. The travel to and from Antarctica on MAC aircraft shall be limited to that certified by the Navy or NSF as part of the U.S. Antarctic Program, as previously authorized. It should be noted that the category is not a precedence for movement, as indicated in paragraph 3-2 of DoD 4515.13-R. Category 12 appears to be the closest grouping of similar passengers whose transportation is chargeable to their respective agency.

The Department of the Air Force, by copy of this memorandum, is requested to incorporate this authorization in the next change to DoD 4515.13-R.

PAUL H. RIEGE
Deputy Assistant Secretary of Defense
(Supply, Maintenance & Services)

cc: OASAF(I&L)

Enclosure (5)

TAB A

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APPENDIX II - BASIS FOR ESTIMATES, BUDGET, AND
NSF REIMBURSEMENT TO DOD

A. General

1. The DOD/DMD will provide reimbursable logistic support which has been determined to be essential by the NSF for the U.S. program in Antarctica. Changes to the array of logistic support requested by the NSF and provided by the DOD will be developed as and when needed through joint coordination of the Head, OPP and CMSFA pursuant to this agreement and senior directives.
2. No interpretation will be applied anywhere in this Appendix which would be in conflict with the requirements of SECTION F - FUNDING, regarding transfer of budget base functions.

B. Specific. The specific items previously identified for reimbursement by orderly budget base transfer include:

1. Civilian Personnel: Costs to DOD, including compensation and related benefits, travel and per diem, for civilian personnel, which are incurred as a result of providing direct support to the U.S. program in Antarctica.
2. Military Personnel:
 - a. Man-year costs for full and part time military personnel based on DOD standard reimbursement rates, as amended. For personnel of units not dedicated to the U.S. program in Antarctica, reimbursement will only be for the time spent in direct support;
 - b. Permanent change of station (PCS) travel costs for military personnel upon assignment to the activities which provide full time support to the U.S. program in Antarctica. The DOD standard method will be used to compute costs;
 - c. Administrative support costs normally chargeable to operations and maintenance based on DOD standard reimbursement rates, which shall include travel and per diem which are directed by or necessary for support of the U.S. program in Antarctica; and
 - d. Man year costs for the military personnel on detail to the NSF and CMSFA and identified by the DOD for reimbursement. Such reimbursement shall be based on standard DOD rates as amended.

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3. DOD ship operations: Per diem/charter costs of dedicated ships, repair of ice damage, cargo packing and stevedoring and such other direct costs as may be chargeable.
4. Supplies. The DOD will provide:
 - a. Subsistence support. The NSF shall reimburse DOD directly for NSF sponsored personnel in Antarctica at the current DMD commuted rations rate;
 - b. DOD stocks of standard material and supplies, including medical and dental, issue and positioning of same at standard DOD prices to the DMD, NSF or its designated contractors; and
 - c. Bulk fuels procurement and delivery at DSA contract price for each product plus transportation and other applicable charges. The bulk fuels would remain in the DMD stock account and reimbursement will be made by NSF to DOD upon issue from bulk stocks by the MSFA.
5. Photographic services: Includes manpower, installation, facilities, equipment and supplies.
6. Technical and Engineering Services: All costs associated with technical and engineering services and electronic services requested.
7. Medical and Dental Services: In addition to other reimbursable medical and dental services provided for in this agreement NSF will reimburse DOD for medical/dental/psychiatric examinations performed for USARP/contractor personnel at DOD medical facilities other than those in Antarctica, after budget base transfer of this item.
8. Air Operations:
 - a. Military airlift support by special mission MAC aircraft and airlift support on MAC channel routes;
 - b. POL and field maintenance for military support force organic equipment;
 - c. Ground support equipment;
 - d. The rework of aircraft engines and components plus the periodic overhaul of airframes;

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- e. Additions to or modifications of aircraft and related ground equipment required to accomplish science objectives and enhance safety of aircraft and personnel;
 - f. Electronic aids to air navigation, visual and electronic aids for approach, landing and ground operations at locations in Antarctica; including provision of modifications, field changes, and technical services;
 - g. Weather electronic system equipment;
 - h. Landing fees when chargeable;
 - i. Air drop equipment and supplies;
 - j. Equipment and other specialized provisions required to sustain a para-rescue team;
 - k. Field support airlift supplied by contract; and
 - l. Operation and Maintenance, Navy (O&MN) costs previously identified in Section F for the designated DOD/DMD aircraft squadron.
9. Ice observation and forecast to include ship routing.
10. O&MN costs for the MSFA.

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APPENDIX III - PLANNING SCHEDULES

- Notes:
- a. Paragraphs 1 and 2 below pertain to FY 1976 and the following three-month transition period. The remaining paragraphs pertain to FY 1977 and succeeding years.
 - b. Beginning with FY 1977, each annual appropriation must support a part of two austral summer field seasons.
 - c. These dates may be adjusted to conform to changes in budget and authorization submission requirements directed by the Congress, OMB, NSF, or OSD.
-

1. On 1 July 1975, or as soon as possible thereafter, the NSF shall furnish to the CMSFA authority to obligate fiscal year 1976 funds in support of the U.S. program in Antarctica. Although the initial obligational authority may be restricted to monthly or quarterly increments, the NSF will, upon completion of Congressional or OMB action and not later than 1 March 1976, take steps to provide obligational authority for the entire fiscal year.
2. On 1 July 1976, or as soon as possible thereafter, the NSF shall furnish to the CMSFA authority to obligate funds during the July 1 - September 30, 1976 period in support of the U.S. program in Antarctica.
3. By 15 April 1976, and each year thereafter, the NSF shall advise the CMSFA of significant changes in program scope or desired support for Current Fiscal Year (CFY) + 1 and CFY + 2.
4. By 15 October of each year, DOD/DMD shall coordinate with the NSF and OMB on any budget base transfer to be effective in CFY + 1.
5. By 1 August 1976, and each year thereafter, the NSF shall provide a tentative decision on the CFY + 1 budget. A final decision will be provided upon completion of Congressional action and OMB apportionment action.
6. By 1 December of each year, DOD/DMD shall inform the NSF and OMB of any changes in military pay rates anticipated to occur during CFY +1.
7. By 1 May of each year the NSF shall inform the CMSFA of the program to be logistically supported in CFY + 2 and CFY + 3 to include:

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- a. Any anticipated changes in the mix between military and contractor support which will impact the level of military personnel required in CFY + 2 and CFY + 3.
 - b. Any program changes that would require changes in configuration, number, or type of the aircraft support capabilities to be assigned.
8. By 1 December of each year the CMSFA shall provide the NSF with initial budget estimates of costs and estimates of military manning required for CFY + 1 and CFY + 2.
 9. By 15 October of each year the NSF shall provide the CMSFA with a markup of the budget estimates for CFY + 1 and CFY + 2.
 10. By 1 June, 1976, and each year thereafter, the CMSFA shall provide the NSF with revised budget estimates for CFY +1.
 11. On 1 October 1976, or as soon as possible thereafter, and each year thereafter, the NSF shall furnish to the CMSFA authority to obligate CFY funds in support of the U.S. program in Antarctica. Although the initial obligational authority may be restricted to monthly or quarterly increments, upon completion of Congressional or OMB action, and not later than 1 July each year, the NSF will take steps to provide obligational authority for the entire fiscal year.

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APPENDIX IV - MANAGEMENT/OPERATIONAL RELATIONSHIPS

1. General

The NSF shall have overall authority and responsibility for the U.S. program in Antarctica except as noted elsewhere in this agreement.

2. Definitions

- a. CMSFA. The Commander of the Military Support Force. He is normally located in Antarctica, headquartered at McMurdo Station throughout the austral summer operating season. During the rest of the year the headquarters is located at the Naval Construction Battalion Center, Port Hueneme, California.
- b. Officer in Charge (OIC). The senior military representative of the CMSFA at a jointly manned station where the support component is predominantly military.
- c. NSF Representative, Antarctica. The NSF staff member in Antarctica so designated by NSF/OPP for the austral summer season.
- d. Station Manager (SM). The representative designated by the contractor with the concurrence of NSF/OPP at stations in Antarctica where the support component is civilian.
- e. Station Scientific Leader (SSL). The representative of the scientific community designated by NSF/OPP for each station in Antarctica.

3. Specific Responsibilities

- a. CMSFA. The broad responsibilities of the CMSFA are contained in paragraph 3.b. of SECTION D in the basic agreement. Nothing in this agreement shall alter the military and command responsibilities and authority of the CMSFA.
- b. The OIC shall:
 - (1) Provide support for the approved U.S. program in Antarctica within the capability of the station resources;
 - (2) Direct the efforts of all military support personnel of the station;

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- (3) Maintain and operate all station facilities and equipment required for the well-being and comfort of personnel;
 - (4) Institute measures to preserve the safety, general health, and morale of all personnel at the station;
 - (5) Conduct search and rescue operations within the resources available, based on policies established by the CMSFA;
 - (6) Consult with the SSL in all matters relating to station operations and logistic support; and
 - (7) Provide transmission of all messages released by the SSL or his delegated representative; make available a reading file of pertinent message traffic to the SSL; and provide an official copy of every message of interest to the science activity for the station scientific files.
- c. The NSF Representative, Antarctica, shall:
- (1) Coordinate science projects in Antarctica;
 - (2) Arrange for logistic support from the MSFA and/or the contractor; and
 - (3) Maintain close liaison with the CMSFA on appropriate matters affecting the U.S. program in Antarctica.
- d. The Station Manager shall:
- (1) Supervise the overall operation of the station;
 - (2) Assure the safety of the station and assigned personnel;
 - (3) Provide support to the science projects within the capability of available resources;
 - (4) Maintain close liaison with the SSL; and
 - (5) At joint military/civilian stations, be responsive to direction from and coordinate with the CMSFA in operational matters.
- e. The Station Scientific Leader shall:
- (1) Arrange for logistic support from the OIC or SM;
 - (2) Exercise direction over exchange scientists sponsored by the NSF and coordinate their activities in the science program and with the OIC or SM;

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- (3) Consult with the OIC or SM to coordinate and maintain the scientific activities within the capabilities of available logistic support;
- (4) Direct the scientific program and scientific personnel at the station including traverses and field investigations; and
- (5) Release all messages originated by members of the scientific party. He may delegate the authority to release certain routine data messages by written notice to the OIC or SM indicating the name of the person to whom the authority is delegated and the type of message he may release.

4. General Responsibilities

All station personnel will participate in the logistic functions and operations of the station as mutually agreed between the SSL and either the OIC or SM. However, in the event of emergency, all personnel will take their direction from the OIC, or SM at civilian manned stations.

5. Emergencies

- a. The OIC, or the SM at civilian manned stations, shall be in charge of all personnel in taking action to cope with any emergency such as fire.
- b. The SSL and either the OIC or the SM shall coordinate the decision to terminate an emergency condition.
- c. When the immediate urgency of action no longer exists, the station will revert to the normal chain of responsibility.
- d. The OIC or SM, in consultation with the SSL, shall prepare emergency bills covering situations that may require concerted action. Such bills shall be posted in conspicuous places at the stations and copies will be forwarded to CMSFA and NSF REP ANTARCTICA. The OIC or SM shall conduct sufficient drills to ensure that emergencies can be effectively met. All persons at the station shall participate in these drills. Emergency bills shall include, but shall not be limited to the following:
 - (1) Fire and other disasters;
 - (2) Storm;
 - (3) Evacuation; and
 - (4) Aircraft crash.

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6. Research Ships in Antarctic Waters

Organizational units of DOD and designated NSF sponsored ships or expeditions which will pass south of 60 degrees south latitude shall advise the NSF/OPP of their research plans and the CMSFA of their operating plans at the earliest possible time. The operational safety and logistic requirements of projected plans shall be reviewed by the CMSFA.

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APPENDIX V - AIRCRAFT OPERATIONS1. Utilization of Aircraft.

- a. During the term of this agreement the NSF and DOD/DMD aircraft will be under the operational employment control of a designated DOD/DMD Type or Operational Commander. NSF requests for utilization of these aircraft to fulfill NSF requirements will be made to the designated DOD/DMD Commander at least 30 days in advance of the date required.
- b. Scheduled maintenance for the NSF and DOD/DMD aircraft shall be as specified by appropriate DOD/DMD directives for type/model aircraft. Actual induction dates shall be coordinated with the NSF to minimize impact on scientific projects.
- c. The NSF will assure the designated DOD/DMD Commander sufficient utilization of the NSF and DOD/DMD aircraft to maintain a training program which will ensure the proficiency required to provide any NSF logistic or scientific support requested to be accomplished through the use of these aircraft and/or such other programs and functions as may be requested by the NSF. Priorities for the use of VXE-6 aircraft between deployments shall be:
 - (1) Training for forthcoming Antarctic operations;
 - (2) NSF missions; and
 - (3) DOD/DMD missions.
- d. The NSF grants the designated DOD/DMD Commander the right to utilize the NSF aircraft for military missions when not being utilized by the NSF, undergoing standard depot level maintenance (SDLM) or being utilized for training missions. The DOD/DMD will reimburse the NSF for such missions in accordance with Tab A to this appendix.

2. Responsibilities. The Commanding Officer of the designated DOD/DMD aircraft squadron operating NSF aircraft is the responsible authority for aircraft operations, recognizing the established military operational chain of command. Flight operations in NSF and DOD/aircraft shall be conducted in compliance with all DOD/DMD directives and operating procedures.

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- a. Subject to reimbursement pursuant to SECTION F of this agreement, the DOD/DMD responsibilities include, but are not limited to:
- (1) Provision and training of qualified aircraft operating crews;
 - (2) Aircraft maintenance required for the operation of the aircraft;
 - (3) Maintenance and operation of ground support equipment to supply appropriate and adequate power, heating and air-conditioning for normal ground operation of the aircraft;
 - (4) Maintenance of communications, navigational and special scientific sensor equipment aboard the aircraft;
 - (5) Maintenance of adequate survival equipment aboard the aircraft in compliance with DOD/DMD regulations;
 - (6) Provision for training programs for initial and/or refresher survival and other training;
 - (7) Assurance that all personnel traveling aboard these aircraft comply with DOD/DMD regulations governing flight aboard these aircraft;
 - (8) Administrative procedures necessary for requisition of aviation related supplies and equipment requested by the NSF for accomplishment of specific operational tasks undertaken pursuant to this agreement;
 - (9) Safety of aircraft whether it be during flight operations, modifications, alterations, and/or installation of equipment;
 - (10) Maintaining required aircraft and engine operating logs and maintenance records;
 - (11) Control and determination of safety modifications; and
 - (12) The DOD/DMD will maintain adequate property records for NSF aircraft and the account will be maintained in an auditable status at all times. The DOD/DMD may use Armed Services Procurement Regulations and any implementation of same to satisfy this requirement.

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- b. The NSF responsibilities under this agreement as they pertain to aircraft operations include, but are not limited to procurement, installation, operation and maintenance of any special instrumentation to be utilized in support of scientific programs.

3. Property Rights and Liability

- a. Title. Title to the NSF procured aircraft and any modification to the basic structure shall be with the NSF. Title to all tangible equipment not an integral part of these aircraft shall be with the party to this agreement furnishing the majority of the funds for the purchase of such equipment.
- b. Protection - Risk of Loss. The DOD/DMD agrees to take reasonable precautions to protect the NSF aircraft, equipments and systems installed therein while in the custody of the DOD/DMD under this agreement. The NSF shall assume all risk of loss or damage to NSF aircraft, equipment and systems installed therein. In the event of loss or damage, all costs associated with the replacement or repair of any aircraft, equipment or systems installed therein shall be borne by the NSF.
- c. Substantial Damage
 - (1) In the event of substantial damage to NSF aircraft covered by this agreement, there will be a coordinated DOD/DMD/NSF decision to repair or not to repair. In arriving at the decision, consideration must be given to such factors as the availability of funds and the value of such expenditures in light of programmatic and economic considerations. If a decision to repair is made, NSF will bear the cost.
 - (2) In the event any DOD/DMD aircraft sustains any damage while engaged in supporting the U.S. program in Antarctica or engaged in training flights to support the program, there will be a coordinated DOD/DMD/NSF decision to repair or not to repair. In arriving at the decision, consideration must be given to such factors as the availability of funds and the value of such expenditures in light of programmatic and economic considerations. If a decision to repair is made, the NSF will bear the full cost of recovery and repair beginning with FY 1977. It is intended that this item will be included in the list of items for budget base transfer alluded to in Section F, paragraph 6.

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- (3) In the event any DOD/DMD aircraft sustains any damage while engaged in a dedicated military mission there will be a coordinated DOD/DMD/NSF decision to repair or not to repair. In arriving at the decision, consideration must be given to such factors as the availability of funds and the value of such expenditures in light of programmatic and economic considerations. If a decision to repair is made, the DOD/DMD will bear the cost.
- (4) Substantial damage to either an NSF or a DOD/DMD aircraft in Antarctica could require an extensive recovery operation in addition to the repair effort. Any such recovery operations shall be the subject of additional joint DOD/DMD/NSF discussions to arrive at a decision with respect to recovery and associated costs. Funding responsibilities are contained in subparagraphs 3.c.(1), (2), and (3) above.

d. Accident Investigations

- (1) In the event of any accident or incident involving NSF aircraft covered by this agreement, the DOD/DMD is responsible for investigating and reporting the accident or incident in accordance with established DOD/DMD accident-reporting procedures. The NSF agrees to cooperate fully with the DOD/DMD in any investigation undertaken pursuant to this paragraph. The DOD/DMD shall provide the NSF copies of the report of the Judge Advocate General (JAG) investigation. The NSF shall be bound by the same restrictions on the use and dissemination of the report as are applicable to the DMD under existing DOD/DMD directives. It is recognized that the DMD, in addition to its primary investigation of each accident, conducts a specialized investigation, resulting in an aircraft accident report (AAR) which is not releasable to anyone except to DMD officials solely concerned with aviation safety. Nothing in this agreement shall be construed as a requirement for release of AAR material or be construed to prohibit DMD safety officials from taking appropriate action with officials of the NSF to further aviation safety.
- (2) In the event any accident or incident involving DOD/DMD aircraft covered by this agreement occurs while engaged in supporting the U.S. program in Antarctica or engaged in training flights to support the program, the DOD/DMD is responsible for investigating and reporting the accident or incident in accordance with established DOD/DMD accident reporting procedures. The NSF agrees to

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cooperate fully with the DOD/DMD in any investigation undertaken pursuant to this paragraph. The DOD/DMD shall provide the NSF copies of the report of the JAG investigation. The NSF shall be bound by the same restrictions on the use and dissemination of the report as are applicable to the DOD/DMD under existing DOD/DMD directives.

- (3) In the event any accident or incident involving DOD/DMD aircraft occurs while engaged in a military mission other than in support of the U.S. program in Antarctica, the DOD/DMD is responsible for investigating and reporting the accident or incident in accordance with established DOD/DMD accident reporting procedures.

e. Third Party Claims

- With respect to third party claims, investigation will be undertaken in accordance with paragraph 3.d. of this appendix. The DOD/DMD shall be responsible for the handling and settlement of any claim asserted against the United States which arises from the use or operation of the NSF and DOD/DMD aircraft covered by this agreement, provided that, except in the case of a claim arising during use on military missions or during depot level maintenance no administrative settlement shall be made without the approval of the NSF. Payment of such settlements, except in cases involving military missions or during SDLM, shall be made directly out of appropriations available to the NSF.

BASIS FOR DOD REIMBURSEMENT TO NSF FOR DOD USE OF VXE-6 IC-130 ASSETS

1. For flights which are on "Dedicated DOD Missions". Reimbursement will be at the following hourly rates (takeoff to landing; from departure from home station to return to home station):

FY 1976	\$900	per flight hour
FY 1977	\$963	"
FY 1978	\$1030	"
FY 1979	\$1102	"
FY 1980	\$1179	"

(Post FY 1980 rates will be negotiated between NSF and DOD in FY 1979)

2. Where DOD cargo or passengers are carried on a VXE-6 training flight:

a. If the en route or final destination is selected on a basis of DOD desire, reimbursement shall be the greater of:

(1) Ten per cent of "Dedicated DOD Mission" hourly flight cost for any legs on which DOD cargo or passengers are carried,

(2) \$.06 per passenger mile and/or \$.26 per ton mile for cargo, but not to exceed 50 per cent of the cost of the entire flight as calculated under paragraph 1 above.

b. If there is no special selection of en route or final destination based on DOD desires, there will be no reimbursement unless DOD cargo and/or passengers comprise at least 10 per cent of the load carrying capacity of the aircraft. If this 10 per cent is exceeded, then the rates shown in 2a above will apply.

3. Movement of VXE-6 and NSFA cargo/passengers will not require DOD reimbursement to NSF.

4. When potential DOD users seek VXE-6 services, the Commanding Officer of VXE-6 will inform those potential users of the basis for reimbursement. (The aircraft commander of VXE-6 aircraft will have this responsibility when services are sought while VXE-6 aircraft are at airfields other than the VXE-6 home base. If a load is accepted which appears to require reimbursement, the aircraft commander will get appropriate data to permit billing.)

5. The Commanding Officer of VXE-6 will inform NSF by the appropriate chain of command of instances in which reimbursement is appropriate.

SECNAVINST 3160.2B

7 OCT 1983

Memorandum of Agreement
Number: NSF CA-165

NATIONAL SCIENCE FOUNDATION

[Handwritten Signature]

10/11/83
Date

DEPARTMENT OF DEFENSE

J. Middendorf
J. William Middendorf II

14 Nov. 1975
Date