



DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

SECNAVINST 5090.5
ASN (S&L)
20 November 1989

SECNAV INSTRUCTION 5090.5

From: Secretary of the Navy

Subj: MANAGEMENT AND ELIMINATION OF OZONE DEPLETING SUBSTANCES

Ref: (a) Montreal Protocol on Substances that Deplete the Ozone Layer (NOTAL)

Encl: (1) DoD Directive 6050.9 of 13 Feb 89

1. Purpose. To implement enclosure (1) within the Department of the Navy and establish policies and assign responsibilities and actions for management of ozone depleting substances (e.g. chlorofluorocarbons (CFCs) and halons).

2. Applicability. Applies to all Department of the Navy organizations.

3. Definition. Ozone Depleting Substances: As of the issuance of this instruction, chemicals subject to reference (a) include CFC-11, CFC-12, CFC-113, CFC-114, CFC-115, Halon 1121, Halon 1301 and Halon 2402. Reference (a) is subject to review in April 1990 and periodically thereafter. As a result of these reviews, additional substances may be added to this list. The Environmental Protection Agency (EPA) has already proposed that carbon tetrachloride and methyl chloroform be added to the list of chemicals regulated under the Montreal Protocol.

4. Policy. To eliminate use of ozone depleting substances as soon as possible where consistent with mission requirements. For those uses where environmentally safe substitutes are not available, conservation practices shall be instituted and emissions of ozone depleting substances minimized. To implement this policy, the Department of the Navy will conduct and participate in research and development efforts and track ozone depleting substances usage.

5. Responsibilities and Actions

a. The Assistant Secretary of the Navy (Research, Engineering and Systems) (ASN(RE&S)) shall review the adequacy of programmed funds and schedules, including test and evaluation, to achieve the Research and Development policies established in this instruction and enclosure (1).

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b. The Assistant Secretary of the Navy (Shipbuilding and Logistics) (ASN(S&L)) shall:

(1) Review and prioritize for the Department of the Navy all usage of ozone depleting substances to ensure required amounts are available for mission essential applications. The review and prioritization of halons shall be performed in conjunction with the Assistant Deputy Under Secretary of the Navy (Safety and Survivability) (ADUSN(S&S)).

(2) Review for the Department of the Navy, with input from ASN(RE&S) and ADUSN(S&S), the adequacy of ozone depleting substances programs and resources.

(3) Ensure that specifications which contain ozone depleting substances are revised as environmentally and mission acceptable substitutes become available.

(4) Submit an annual procurement report on ozone depleting substances to the Office of the Assistant Secretary of Defense (Environment) as required by enclosure (1).

c. Chief of Naval Operations and Commandant of the Marine Corps shall:

(1) Establish formal programs which implement the policies and procedures of this instruction and enclosure (1) within their respective Service.

(2) Address ozone depleting substances requirements in their annual program planning process providing sufficient detail to ensure visibility.

(3) Prepare and forward to ASN(S&L) an annual ozone depleting substances procurement report in the format required by enclosure (1).

(4) Designate sponsors for their respective ozone depleting substances programs.

(5) Revise specifications which contain ozone depleting substances as environmentally and mission acceptable substitutes become available.

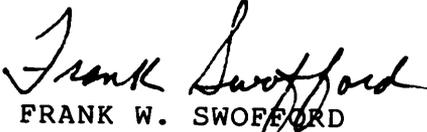
(6) Establish inventory management quantity requirements for ozone depleting substances, if necessary, to meet mission essential requirements.

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6. Report and Form

a. The reporting requirement contained in paragraph 5 is assigned Symbol DD-P&L(A)1804(5090) and is approved for three years from the date of this instruction.

b. DD 2530 is provided in enclosure (1).


FRANK W. SWOFFORD
By Direction of the
Secretary of the Navy

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Department of Defense
DIRECTIVE

SECNAVINST 5090.5
20 NOV 1989

February 13, 1989
NUMBER 6050.9

USD(A)

SUBJECT: Chlorofluorocarbons (CFCs) and Halons

References: (a) Montreal Protocol on Substances that Deplete the Ozone Layer¹
(b) Protection of Stratospheric Ozone: U.S. Environmental Protection Agency (USEPA) Final Rule (Federal Register, Volume 53, page 30566, August 12, 1988)

A. PURPOSE

This Directive establishes policy and assigns responsibilities for:

1. The management of CFCs and halons in the Department of Defense.
2. The identification of CFC and halon applications and prioritization of their uses.
3. The long-term process of decreasing DoD dependence on CFCs and halons because of reduced availability in future years due to recently promulgated international and domestic production limits (references (a) and (b)).
4. Research and development (R&D) programs to develop or evaluate suitable substitutes for halons and other mission-critical CFC applications.
5. A tracking system to document DoD's annual requirements for CFCs and halons.

B. APPLICABILITY AND SCOPE

This Directive applies to:

1. The Office of the Secretary of Defense (OSD), the Military Departments (including their National Guard and Reserve components), the Defense Agencies, and the DoD Field Activities (hereafter referred to collectively as "DoD Components").
2. The DoD R&D and Acquisition Program.
3. Appropriated and nonappropriated fund operations.

¹Text is available from the U.S. Department of State. This protocol has been accepted by the United States and entered into force on 1 January 1989.

Enclosure (1)

C. DEFINITION

Chlorofluorocarbons and Halons. As of August 1988, these include CFC-11, CFC-12, CFC-113, CFC-114, CFC-115, Halon 1211, Halon 1301, and Halon 2402. The protocol (reference (a)) is subject to periodic review, and additional chemicals may be added to the list.

D. POLICY

The DoD Components shall:

1. Establish procedures to eliminate the unnecessary release of these chemicals to the atmosphere.
2. Identify and prioritize CFC and halon uses and applications to ensure available supplies meet mission-critical needs.
3. Modify operational, training, and testing practices to minimize the emissions of CFCs and halons when appropriate.
4. Develop or adopt conservation practices such as recycling, reuse, dilution and substitution, when appropriate and consistent with mission requirements.
5. Adopt suitable substitutes when consistent with mission requirements.
6. Review and modify military specifications to permit use of new processes, techniques, or chemicals for requirements currently being met by CFCs and halons.
7. Conduct R&D to identify or develop alternate processes, chemicals, or techniques for functions currently being met by CFCs and halons.
8. Collect procurement data on an annual basis.
9. Establish a central point of contact to oversee implementation of all policies and programs required by this Directive.
10. Ensure the required amounts and types of CFCs and/or halons are available for mission-critical applications when substitutes are not yet available. This shall include emergency and mobilization requirements.

E. RESPONSIBILITIES

1. The Assistant Secretary of Defense (Production and Logistics) (ASD(P&L)) shall provide policy and management oversight for reducing DoD's long-term dependence on CFCs and halons including issues related to military specifications and annual procurement and demand.
2. The Deputy Under Secretary of Defense (Research & Advanced Technology) (DUSD(R&AT)) shall coordinate R&D programs, as appropriate, on alternative chemicals or technologies for fire and explosion suppression and, if necessary, other CFCs.

3. The Military Departments and Defense Agencies shall:

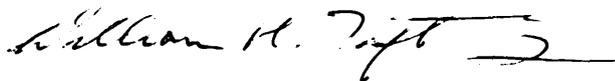
- a. Identify CFC and halon usages and prioritize with respect to mission-criticality.
- b. Establish review procedures to prevent or minimize use of CFCs and halons in existing and future systems.
- c. Implement conservation measures such as recycling, reuse, and modification of testing and training procedures when appropriate.
- d. Conduct R&D programs as needed to support mission requirements with emphasis on substitutes for halons.
- e. Modify requirements and military specifications to allow adoption of suitable substitutes for CFCs and halons in existing and future systems.
- f. Submit an annual report to ASD(P&L) containing:
 - (1) Aggregate procurement (by thousand pounds) of CFCs and halons for which they are the integrated item manager.
 - (2) Annual demand by Military Departments to include data on significant noncentralized CFC and halon procurements.
- g. Procure and store required amounts of CFCs and halons for mission-critical applications when substitutions are not yet available.

F. INFORMATION REQUIREMENTS

The annual procurement information required by section D., above, is assigned Report Control Symbol (RCS) DD-P&L(A) 1804. The DD Form 2530, Chlorofluorocarbons (CFCs) and Halon Annual Report (enclosure 1), is to be reproduced locally.

G. EFFECTIVE DATE AND IMPLEMENTATION

This Directive is effective immediately. Forward two copies of implementing documents to the Assistant Secretary of Defense (Production and Logistics) within 120 days.



William H. Taft, IV
Deputy Secretary of Defense

Enclosure

Chlorofluorocarbons (CFCs) and Halon Annual Report (DD Form 2530)

CHLOROFLUOROCARBONS (CFCs) AND HALON ANNUAL REPORT FOR CALENDAR YEAR _____

REPORT CONTROL SYMBOL

1. PROCUREMENT* (In thousands of pounds)				2. DEMAND** (In thousands of pounds)				
CHEMICAL	(1) Sum of Integrated Materiel Manager Reporting	(2) Local Purchase by Component	(3) New System Acquisition	(1) Army	(2) Navy	(3) Air Force	(4) Marines	(5) Other (Specify)
a. CFC - 11								
b. CFC - 12								
c. CFC - 113								
d. CFC - 114								
e. CFC - 115								
f. HALON 1211								
g. HALON 1301								
h. HALON 2402								

3. REMARKS

NOTES:
 * PROCUREMENT - Material purchased by component
 ** DEMAND - Material requisitioned from procuring component to user or other military component.

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