



U.S. Department
of Transportation
**Federal Aviation
Administration**

Advisory Circular

Subject: GUIDE FOR AIR CARRIERS, FREIGHT
FORWARDERS, AND SHIPPERS IN OBTAINING
INFORMATION DEALING WITH THE TRANSPORTA-
TION OF HAZARDOUS MATERIALS BY AIR

Date: 1/3/84
Initiated by: ACS-100

AC No: AC 121-27
Change:

1. PURPOSE. This advisory circular provides air carriers, freight forwarders, and shippers with sources of regulatory and training information and provides office locations and telephone numbers where technical assistance may be obtained dealing with the provisions of the appropriate regulations concerning the transportation by air of commodities which have been designated as regulated hazardous materials.

2. REFERENCES:

- a. Title 14 Code of Federal Regulations (CFR), Parts 60 to 139.
- b. Title 49 CFR Parts 100 to 199.
- c. International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air.
- d. International Air Transport Association (IATA) Dangerous Goods Regulations.
- e. United Nations Economic and Social Council "Transport of Dangerous Goods."
- f. International Atomic Energy Agency (IAEA) Regulations for the Safe Transport of Radioactive Materials, Safety Series No. 6.

3. GENERAL REQUIREMENTS.

- a. Hazardous materials may not be offered or accepted for transportation in air commerce unless that material is properly classed, described, packaged, marked, labeled, and in condition for shipment as required or authorized by either national or international regulations in force at the time of shipment.
- b. Hazardous materials may not be transported in air commerce unless that material is handled, loaded, and transported in accordance with the provisions of the pertinent national or international regulations in force at the time of transport.

4. COMPLIANCE AND ENFORCEMENT. The Federal Aviation Administration (FAA) has been delegated authority in Title 49 CFR § 1.47 to carry out the functions vested in the Secretary of Transportation by § 902(h)(2) of the Federal Aviation Act of 1958 as amended, as it relates to enforcement of the hazardous materials

regulations as they apply to the transportation or shipment of hazardous materials by air. The FAA is further responsible to carry out the functions vested in the Secretary by 49 U.S.C. 1807 (Hazardous Materials Transportation Act) as it relates to the establishment of procedures for monitoring and enforcing provisions of the regulations with respect to the transportation of radioactive materials on passenger-carrying aircraft. 49 CFR Part 173.1(b) states in part: "It is the duty of each person who offers hazardous materials for transportation to instruct each of his officers, agents and employees having any responsibility for preparing hazardous materials for shipment as to applicable regulations in this subchapter." Current regulations of primary concern dealing with hazardous materials transportation are Title 49 CFR Parts 100 to 199 and the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air.

5. SOURCES OF INFORMATION. The following regulations and publications pertaining to the safe transportation of hazardous materials are for sale and available from the addresses listed below:

a. National.

(1) U.S. CFR, Title 14, Aeronautics and Space, Parts 60-139. (Required Parts include Parts 91, 121, 125, and 135). This contains the regulations which are applicable to air carrier and air taxi operations (including helicopter operations), which define the duties and responsibilities for training programs and procedural manuals dealing with the air transportation of hazardous materials.

(2) U.S. CFR, Title 49, Transportation, Parts 100-177, and Parts 178-199. These contain the regulations dealing with the proper identification, classification, packaging, labeling, marking, and certification of hazardous materials transported in commerce.

Superintendent of Documents, Public Document Department
Government Printing Office, Washington, D.C. 20402 (202) 783-3238

b. International.

(1) ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (current edition). These Technical Instructions amplify the basic provisions of Annex 18 to the Convention on International Civil Aviation and contain the detailed instructions necessary for the safe international transport of dangerous goods by air. These regulations are issued each September and are effective the following January 1.

(2) IATA Dangerous Goods Regulations. These regulations are published by IATA for their members and associate members. They are closely aligned with the ICAO Technical Instructions with few exceptions. These regulations also contain air carrier exceptions and, in certain instances, state variations which may not be included in any other publication. IATA Dangerous Goods Regulations are published on an annual basis.

Labelmaster, 5724 North Pulaski Road
Chicago, Illinois 60646 (800) 621-5808 or (312) 478-0900

c. Other International Regulations Dealing With Hazardous Materials.

(1) UN "Transport of Dangerous Goods" - Recommendations prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods (Document No. ST/SG/AC.10/REV.2)

Labelmaster
5724 North Pulaski Road
Chicago, Illinois 60646
800-621-5808 or (312) 478-0900

United Nations Publications
United Nations Building, Room A-3315
New York, New York 10017
(212) 754-8302

(2) International Atomic Energy Agency (IAEA) Regulations for the Safe Transport of Radioactive Materials, Safety Series No. 6 (Document No. STI/PUB/323). These regulations provide the international standards for the transport of radioactive materials as promulgated by IAEA and are the regulations which the Department of Transportation and the U.S. Nuclear Regulatory Commission have drawn from in amending Title 49 CFR and Title 10 CFR Part 71.

(3) IAEA Safety Series No. 37, Advisory Material for the Application of the IAEA Transport Regulations.

UNIPUB, 1180 Avenue of the Americas
New York, New York 10038 (212) 764-2691

d. Training Material. ICAO and IATA have jointly developed training documents in support of the provisions contained in Annex 18 to the Convention on International Civil Aviation. These documents have been produced to help achieve uniform worldwide level of training in all aspects of handling and transporting dangerous goods by air and particularly to assist those who are responsible for the establishment of training programs. They consist of a series of six books, each developed for training of a particular category of personnel involved in the transport of dangerous goods by air and are of the self-study type. The six books are:

- Book 1: Shippers and Packers
- Book 2: Cargo Agents
- Book 3: Operators Cargo Staff
- Book 4: Load Planners and Cargo Handlers
- Book 5: Flightcrew
- Book 6: Passenger Handling Staff and Flight Attendants

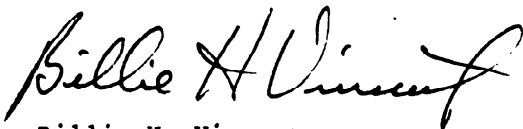
They may be obtained by contacting:

ICAO
International Civil Aviation Organization
Attention: Distribution Officer
1000 Sherbrooke Street West, Suite 400
Montreal, Quebec
Canada H3A 2R2

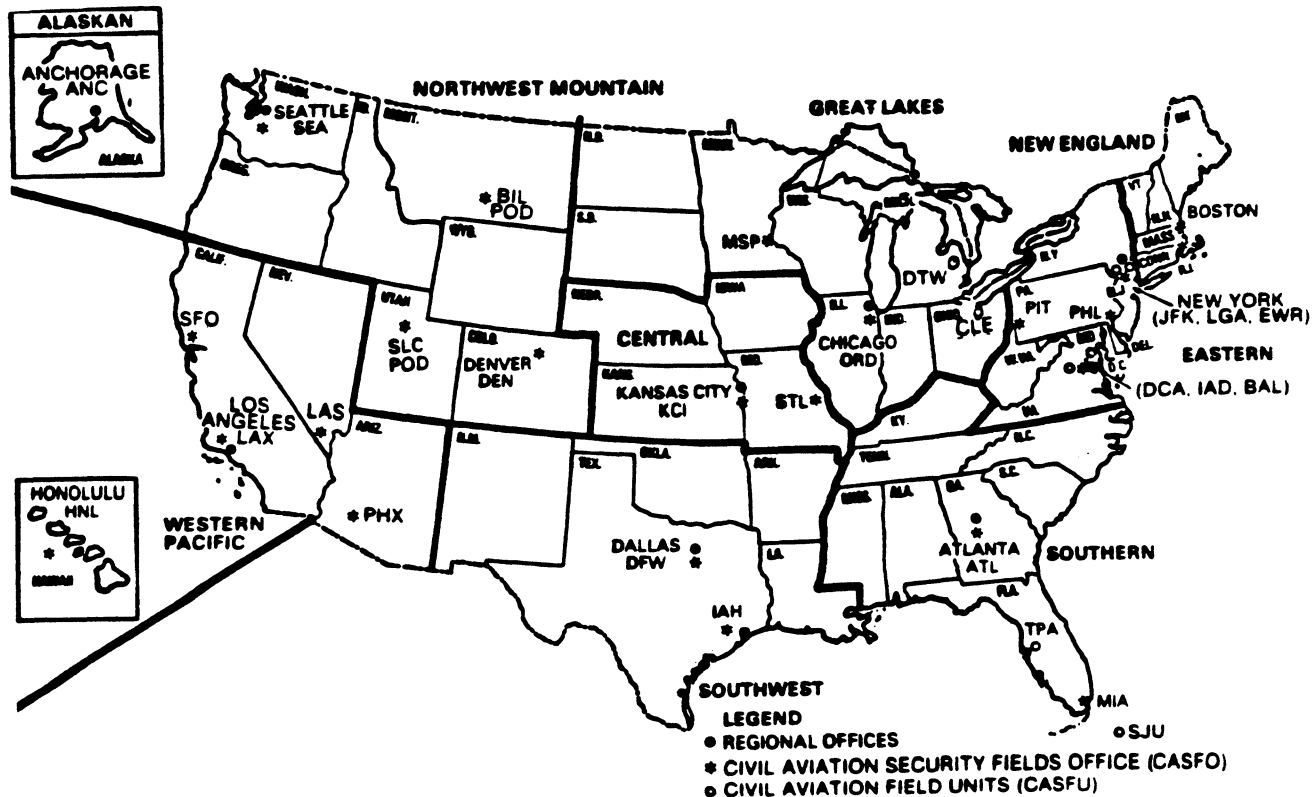
IATA
International Air Transport Association
2000 Peel Street
Montreal, Quebec
Canada H3A 2R4
(514) 844-6311

e. Other Sources. There are numerous other sources of information including updating services which deal with the regulations and the correct procedures to follow in the shipment of hazardous materials. Those listed in this publication are but a few and inclusion herein does not necessarily indicate a preference by the Federal Aviation Administration.

6. TECHNICAL CLARIFICATION AND INFORMATION. In order to assist the aviation community in dealing with hazardous materials transportation, Appendix 1 lists the FAA's Hazardous Materials Coordinators by regional and geographical areas. These personnel may be contacted regarding specific questions dealing with the classification and/or technical aspects of the national and international regulations and their continued amendments as they relate to the transportation of hazardous materials by air. The availability of these personnel does not reduce the responsibility of the air carrier or freight forwarder in having their personnel fully trained in all aspects of hazardous materials transportation. They should be capable of providing their potential customers with the provisions and requirements of the hazardous materials transportation regulations.



Billie H. Vincent



ANE
Hazardous Materials Coordinator
Civil Aviation Security Division, ANE-700
New England Region
12 New England Executive Park
Burlington, Massachusetts 01803
FTS: 836-1352
Comm: 617-273-7352

ASO
Hazardous Materials Coordinator
Civil Aviation Security Division, ASO-700
Southern Region
P.O. Box 20636
Atlanta, Georgia 30320
FTS: 246-7605
Comm: 404-763-7605

ACE
Hazardous Materials Coordinator
Civil Aviation Security Division, ACE-700
Central Region
601 East 12th Street
Kansas City, Missouri 64106
FTS: 758-3901
Comm: 816-374-3901

AWP
Hazardous Materials Coordinator
Civil Aviation Security Division, AWP-700
Western-Pacific Region
P.O. Box 92007
Worldway Postal Center
Los Angeles, California 90009
FTS: 966-6325
Comm: 213-536-6319

AAI
Hazardous Materials Coordinator
Civil Aviation Security Division, AAI-700
Anchorage Federal Office Building (AFOB)
P.O. Box 14
701 C Street
Anchorage, Alaska 99513
FTS/Comm: 907-271-5566

AEA
Hazardous Materials Coordinator
Civil Aviation Security Division, AEA-700
Eastern Region
JFK International Airport
Jamaica, New York 11430
FTS: 667-1252
Comm: 212-917-1252

AGL
Hazardous Materials Coordinator
Civil Aviation Security Division, AGL-700
Great Lakes Region
2300 East Devon Avenue
Des Plaines, Illinois 60018
FTS: 384-7114
Comm: 312-694-7114

ASW
Hazardous Materials Coordinator
Civil Aviation Security Division, ASW-700
Southwest Region
P.O. Box 1689
Fort Worth, Texas 76101
FTS: 734-2500
Comm: 817-877-2508

ANM
Hazardous Materials Coordinator
Civil Aviation Security Division, ANM-700
Northwest Mountain Region
17900 Pacific Highway South
C-68966
Seattle, Washington 98168
FTS: 446-2700/2722
Comm: 206-431-2700/2722

WASHINGTON HEADQUARTERS
Hazardous Materials Program Manager
Office of Civil Aviation Security, ACS-100
800 Independence Avenue, SW.
Washington, D.C. 20591
Comm/FTS: 202-426-4817/4818