



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

April 25, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21870

EXPIRATION DATE: 2027-03-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Air Transport International, Inc.
Wilmington, OH
FAA Certificate Number: IXXA394N (Part 121)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain Division 4.3, cesium (caesium) devices via passenger-carrying aircraft, which are typically forbidden for transportation aboard passenger-carrying aircraft. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. No party status will be granted to this special permit.
 - d. This special permit serves as an "exemption" as defined in 1;3.1.1 of the ICAO TI and as a "Competent Authority Approval" as defined under 49 CFR § 107.1.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

Tracking Number: 2024104010

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9A), Columns 10 and 11 of Table 3-1 of the ICAO TI, and § 173.27(b)(1), in that a hazardous material may be transported aboard passenger-carrying aircraft; and § 172.400(a) and Chapter 3 of Part 5 of the ICAO TI in that labeling is not required, and § 172.500(a) in that placarding is not required; and § 172.301(c) in that the outside of each package authorized by a special permit must not be plainly and durably marked “DOT-SP 21870”, as provided herein.
5. BASIS: This special permit is based on the application of Air Transport International, Inc. dated September 24, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Cesium <i>or</i> Caesium	4.3	UN1407	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are cesium devices described as the following: cesium beam tubes, cesium beam frequency standards, and primary frequency standards.

(1) The cesium beam tube consists of an inner nickel cylinder enclosed within an outer stainless steel, welded, hermetically sealed cylinder as described in the application for special permit DOT-SP 11401. The outer cylinder is under a vacuum, and the inner cylinder contains a maximum of 9 grams of cesium.

(2) The cesium beam frequency standard and the primary frequency standard consist of a cesium beam tube assembled with electronic equipment.

- b. OPERATIONAL CONTROLS:
 - (1) Transportation is only authorized for governmental purposes.
 - (2) Each shipment may not contain more than 5 cesium devices at a time.
 - (3) Each cesium beam tube shipped separately must be transported in a fiberboard box.
- c. Authorized Aircraft. The aircraft to be used must be authorized by Air Transport International, Inc. FAA operations certificate.
- d. Authorized Persons Aboard Aircraft. No person other than persons designated in writing, or person necessary for handling the material may be carried on the aircraft are permitted under the terms of this special permit.
- e. Advanced Notice to FAA Office of Hazardous Materials Safety. The operator of the aircraft must notify the FAA Office of Hazardous Materials Safety (9-AWA-AXH-SPFlightNotifications@faa.gov). This notification must be given at least 72 hours in advance of plans to operate under the special permit unless prior arrangements have been made with the FAA Office of Hazardous Materials Safety. The notification must include the point of departure, intermediate stops, destination(s), and a loading and departure schedule. If a flight schedule deviates more than four hours from the originally scheduled departure time, the operator of the aircraft must immediately notify 9-AWA-AXH-SPFlightNotifications@faa.gov. Alternative notification procedures may be established subject to the written approval of the FAA Office of Hazardous Materials Safety.
- f. Shippers (offerors) must be a grantee to a special permit issued by the competent authority of the United States that authorizes the grantee (the shipper) to offer hazardous materials covered under the terms of this special permit to the grantee of this special permit.
- 8. SPECIAL PROVISIONS: Shipments of packages covered by this special permit are exempt from labeling and placarding requirements. Each shipment must be offered for transportation as cargo and is not authorized in the passenger cabin.
- 9. MODES OF TRANSPORTATION AUTHORIZED: Passenger-carrying aircraft.
- 10. MODAL REQUIREMENTS:
 - a. A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit.

- b. Authorized aircraft: Aircraft used under this special permit must be authorized as part of an FAA 14 CFR Part 121 Operating Certificate.
 - c. Operations manual: FAA 14 CFR Part 121 operations must be conducted in accordance with conditions and limitations specified in the certificate holder's FAA approved operations manual.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.
- Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.
- No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.
- Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) —“The Hazardous Materials Safety and Security Reauthorization Act of 2005” (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term “exemption” to “special permit” and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.
12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in

writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:

A handwritten signature in blue ink, appearing to read "W. Schoonover", is written over a horizontal line.

for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-13, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: JN