



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

February 12, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21130
(SECOND REVISION)

EXPIRATION DATE: 2029-01-31

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Tatonduk Outfitters Limited
d.b.a. Everts Air Cargo
Fairbanks, AK
FAA Certificate: FXGA030A
2. PURPOSE AND LIMITATIONS:
 - a. This special permit authorizes the acceptance and transportation in commerce of hazardous materials to be used for zero-gravity research experiments conducted aboard an aircraft during parabolic flight operations from the point of origin airport to the return of the aircraft to that same airport. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the performance of zero-gravity research experiments carried out during parabolic flight operations, using the hazardous materials and packaging authorized herein.
 - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171- 180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 175.9(b), in that these special aircraft operations are not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of Tatonduk Outfitters Limited dated December 9, 2024, submitted in accordance with § 107.109.

Tracking Number: 2024124484

6. HAZARDOUS MATERIALS (49 CFR 172.101): Materials designated by the Hazardous Materials Table § 172.101 as hazardous materials for the purpose of transportation of those materials. Forbidden materials and packages identified in 49 CFR 173.21 may not be accepted and transported under this special permit.
7. SAFETY CONTROL MEASURES:
 - a. PACKAGING: Prescribed packagings are DOT approved specification, or non-DOT approved apparatus that contain certain hazardous materials used for the experimental research that can safely contain and handle the appropriate hazardous materials throughout the zero-gravity flight.
 - b. AUTHORIZED AIRCRAFT: The aircraft to be used must be FAA Certified aircraft operated by Tatonduk Outfitters Limited, dba Everts Air Cargo, FXGA030A for parabolic micro gravity flight operations.
 - c. OPERATIONAL CONTROLS:
 - (1) The operator of the aircraft must provide to the pilot-in-command (PIC), the flight dispatcher, or ground personnel, a document paper or electronic that meets the HMR requirements, in accordance with § 175.33, as applicable. This document must be provided to the pilot-in-command, or any interested passenger, prior to the movement of the aircraft under its own power. Additionally, this document must list the total amount of each UN number of each hazardous material item accepted for carriage aboard the aircraft, in each separate location on the aircraft. If explosives are offered, the EX approval number for the material must be provided.
 - (2) For lithium cells and batteries, a certification must be provided to the pilot in command that the batteries are of the type proven to meet the criteria in part III, sub-section 38.3 of the UN Manual of Tests and Criteria in accordance with § 173.185(a). Prototype, low production, and untested lithium cells and batteries are forbidden aboard the aircraft, unless approved by the Associate Administrator prior to transportation.
 - (3) All hazardous materials listed as forbidden under the Hazardous Materials Table Column 9 must be indicated as such on the document described in paragraph 7.c.(1) above. In addition, a risk analysis must be performed and documented to identify the mitigation control for all hazardous materials forbidden aboard aircraft.

(4) The stowage compatibility requirements as required in § 175.78(a) must be followed. If the requirements cannot be followed, a risk analysis must be performed and documented to identify the mitigation controls.

d. All risk analyses as required by paragraph 7.c. must be maintained by Tatonduk Outfitters Limited for a period of three years and made available upon request, to an authorized official of a Federal, State, or local government agency at reasonable times and locations.

e. When hazardous materials classified as forbidden for transportation aboard aircraft are planned to be carried onboard the aircraft, advanced Notice of FAA Office of Hazardous Materials Safety must be given. The operator of the aircraft must notify the Office of Hazardous Materials Safety at 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 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 Office of Hazardous Materials Safety.

f. The granting of this special permit does not waive any 14 CFR requirements or the need of the aircraft operator to obtain appropriate FAA authorizations for the purpose of experimental research flights.

g. Any shipper who offers hazardous materials forbidden aboard aircraft requires their own special permit issued by the Competent Authority of the United States authorizing the offering of hazardous materials forbidden aboard aircraft in air commerce. The shipper must furnish a copy of their special permit to the air carrier before or at the time the shipment is tendered.

8. SPECIAL PROVISIONS:

a. A current copy of this special permit must be maintained at the operations base location for the special aircraft operations for parabolic micro gravity flights and Tatonduk Outfitters Limited business headquarters.

b. Operation under the terms of this special permit qualifies as special aircraft operations under Part 175, and as required to be authorized by FAA.

9. MODES OF TRANSPORTATION AUTHORIZED: Passenger-carrying aircraft.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit.
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, and experimental research participant with access to hazardous materials during Zero G aircraft flight operations 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: BB