



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

June 22, 2022

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21375

EXPIRATION DATE: 2022-11-30

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: PTSI Managed Services Inc
Anchorage, AK
2. PURPOSE AND LIMITATIONS:
 - a. This emergency special permit authorizes the transportation in commerce of a one-time shipment of lithium ion batteries each exceeding 35 kg by rotorcraft external load operations and cargo-only aircraft. 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 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 approval under 49 CFR 173.185(b)(5).
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9B) in that lithium ion batteries may not exceed 35 kg, except as provided herein.
5. BASIS: This emergency special permit is based on the application of PTSI Managed Services Inc. dated May 20, 2022, and supplemental information dated May 26, 2022, submitted in accordance with § 107.117 and the determination that it is necessary to prevent significant economic loss.

Tracking Number: 2022054959

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Lithium ion batteries <i>including lithium ion polymer batteries</i>	9	UN3480	N/A

7. SAFETY CONTROL MEASURES:a. SAFETY CONTROLS:

- (1) This special permit is valid only for transportation of the lithium ion batteries identified as UPL-12300FMIL rated at 3840 Wh and each comprised of 48 Shenzhen Topband cells (Model Number TB-027070180-Fe-25AH-X).
- (2) Cells and batteries must be protected against short-circuiting.
- (3) Batteries connected in parallel must be equipped with an effective means to prevent dangerous reverse current flow.
- (4) The batteries must be offered for transportation at a state of charge not greater than 30%.
- (5) Only eight (8) batteries are authorized for a one-time shipment by chartered cargo aircraft with no passengers from Anchorage, Alaska to a distance of not more than 100 miles within the State of Alaska under this special permit.

b. TESTING REQUIREMENTS: Each cell and battery (Model UPL-12300FMIL tested as TB12300F-SC-S107B) must be a type that has passed the required tests in accordance with the UN Manual of Tests and Criteria, 6th Revised Edition.

c. PACKAGING: The packaging must be in accordance with paragraphs 7.c.(1) and 7.c.(2), or 7.c.(3) and 7.c.(4) as prescribed below:

- (1) Inner Packaging: Each battery must be placed in a non-metallic inner packaging that completely encloses the battery, and separates the battery from contact with conductive materials in the packaging; and

- (2) Outer Packaging: The inner packaging containing the battery must be placed in a UN 1H2 drum meeting the Packing Group II performance level; or
 - (3) For the alternate packaging, each battery must weigh more than 12 kg and must have a strong, impact-resistant outer casing; and
 - (4) The batteries must be placed in a strong polyethylene leak-proof box and banded between sheets of plywood to protect against short circuits. The box must be capable of withstanding, without damage, a superimposed weight equal to twice its weight. Battery terminals may not be relied upon to support any part of the superimposed weight.
 - (5) The net weight of the battery within each package must not exceed 40 kg (88 pounds).
- d. MARKING REQUIREMENTS: Each package, and overpack if used, prepared under the provisions of this approval must be plainly marked with the approval number "DOT-SP 21375".
- 8. SPECIAL PROVISIONS: A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.
 - 9. MODES OF TRANSPORTATION AUTHORIZED: Cargo-only aircraft and rotorcraft external load operations.
 - 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. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered. This special permit does not waive any FAA airworthiness requirements or the need to obtain other required FAA authorizations for the transportation of items listed in paragraph 6.
 - 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.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials 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: SH/TG