1. **GRANTEE:** Porsche Logistik GmbH
   Sachsenheim, Germany

   **U.S. AGENT:** Porsche Cars North America
   Atlanta, GA

2. **PURPOSE AND LIMITATION:**
   a. This special permit authorizes the transportation in commerce of lithium ion batteries each with a mass exceeding 35 kg net weight per package aboard cargo-only 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 approval under Special Provision A99 of the ICAO TI, as an approval under 49 CFR § 173.185(b)(5), 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.

4. **REGULATIONS FROM WHICH EXEMPTED:** 49 CFR § 172.101 Hazardous Materials Table Column (9B) in that lithium batteries may have a mass exceeding 35 kg per package.

Tracking Number: 2023085083
5. **BASIS**: This special permit is based on the application of Porsche Logistik GmbH dated August 17, 2023, submitted in accordance with § 107.105 and the public proceeding thereon.

6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

<table>
<thead>
<tr>
<th>Hazardous Materials Description</th>
<th>Hazard Class/Division</th>
<th>Identification Number</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium ion batteries <em>including lithium ion polymer batteries</em></td>
<td>9</td>
<td>UN3480</td>
<td>N/A</td>
</tr>
</tbody>
</table>

7. **SAFETY CONTROL MEASURES:**

   a. **PACKAGING:**

      (1) Each battery must have a strong impact-resistant outer casing and must be packaged in a UN 4D plywood box that is tested and certified as meeting the Packing Group II performance level. The UN 4D box must be placed on a wooden pallet.

      (2) Not more than one battery may be packaged in a strong outer packaging.

      (3) The net weight of the battery within each package must exceed 35 kg but may not exceed 164 kg (362 pounds).

      (4) The requirements in Packing Instruction 974 of the Supplement to the ICAO TI must be met.

   b. **TESTING REQUIREMENTS:**

      (1) All lithium ion cells must be of a type that has passed all required tests as specified in the “UN Manual of Tests and Criteria, 7th Revised Edition”.

      (2) All lithium ion batteries must be of a type that has passed all required tests as specified in the “UN Manual of Tests and Criteria, 6th Revised Edition,”
c. **OPERATIONAL CONTROLS:**

(1) Only lithium ion batteries identified as HV Battery E71 G3 Panamera or E67 MLB42AW/MLB53AW with 102s1p connections composed of Samsung CP7004L104 cells as specified in the Samsung SDI Battery Systems document (UN3480-PHEV2.0-HighPack) and on file with the Office of Hazardous Materials Safety may be offered for transportation under the terms of this special permit. Each battery has a nominal energy content of 25.9 kWh.

(2) The lithium ion cells (Model: CP7004L104) must be of a type (Model: CS0700RT001D) that has passed the required tests as specified in the “UN Manual of Tests and Criteria, 7th Revised Edition”.

(3) For purposes of these testing requirements, a cell type is determined in accordance with 38.3.2.2 of the UN Manual of Tests and Criteria, 7th Revised Edition. Any change in the cell from the tested type invalidates this special permit.

(4) Cells and batteries must be protected against short-circuiting.

(5) The state of charge for lithium ion batteries may not exceed 30% when offered for transportation aboard aircraft.

(6) A battery must be equipped with a battery management system that has been verified as preventing overcharge, short circuits, and over discharge between modules.

d. **MARKING:** Each package, and overpack if used, prepared under the provisions of this special permit, must be plainly marked with the special permit number, “DOT-SP 21624” in accordance with § 172.301(c).

8. **SPECIAL PROVISIONS:**

a. Under the terms of this special permit, the grantee may only offer hazardous materials (i.e., the grantee is not authorized as a carrier).

b. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit, the HMR, and the ICAO TI.

c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.
d. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, destination, and the State of Operator.

e. The grantee must maintain the following record and upon request make this record available to DOT representatives or enforcement officials. The record must contain a listing and number of shipments made to include:

(1) Dates of shipment; and

(2) Description of each type of shipment.

9. **MODES OF TRANSPORTATION AUTHORIZED**: Cargo-only 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. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.

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.

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.:

[Signature]

for William Schoonover
Associate Administrator for Hazardous Materials Safety


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](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: Steve H