

Commercial Space Transportation License

License No. VOL 24-133

Blue Origin, LLC

is authorized, subject to the provisions of 51 U.S.C. Subtitle V, chapter 509, and the orders, rules, and regulations issued under it, to conduct launches of the New Glenn vehicle.

This license is granted subject to the terms, conditions, and limitations set forth in licensing orders A and B, and any subsequent orders or other written stipulations, issued by the Office of Commercial Space Transportation, which are hereby incorporated by reference.

The Licensee shall at all times conduct its operations in accordance with the regulations prescribed by the Office of Commercial Space Transportation for the activities authorized by the license.

Original Issue Date:	December 27, 2024
VOL 24-133 Issued:	December 27, 2024
VOL 24-133 Effective:	December 27, 2024



US Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave., SW
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LICENSE AND ORDERS REVISION HISTORY

Rev No.	Date	Section	Description
0	12/27/2024	All sections	Original license issuance.

**Office of Commercial
Space Transportation
License Order A-1
Regarding**

Launch

**AUTHORIZED BY LICENSE NO. VOL 24-133
ISSUED TO:
Blue Origin, LLC**

License No. VOL 24-133 Order A-1 establishes the orders regarding the launch of Blue Origin, LLC's New Glenn vehicle from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.

1. **Authority:** This Order is issued to Blue Origin, LLC under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR chapter III.
2. **Purpose:** This Order modifies License No. VOL 24-133 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Blue Origin, LLC to conduct the launch of its New Glenn vehicle as identified in the license application; and prescribes as conditions to License No. VOL 24-133 certain requirements applicable to launch.
3. **Definitions:** For purposes of License No. VOL 24-133 and any orders issued by the FAA pertaining to activities covered by License No. VOL 24-133:
 - a. "Pre-flight ground operations" shall mean Blue Origin, LLC's pre-flight preparations of the New Glenn vehicle at Cape Canaveral Space Force Station, Florida, beginning at the start of Hydrazine (N₂H₄) load onto the launch vehicle or Integration of hazardous payloads onto the launch vehicle or Pressurization above 25% of the maximum expected operating pressure of vehicle pressure tanks, or Initiation of loading the vehicle with either propellant, whichever occurs first.
 - b. "Flight" shall commence with the ignition of the first stage with the intention of liftoff of a Blue Origin, LLC New Glenn vehicle from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station (CCSFS), Florida. A flight ends upon Blue Origin, LLC's last exercise of control over the vehicle on orbit, including when Blue Origin, LLC commands the passivation of the upper stage, after vehicle component impact or landing on Earth, after activities necessary to return the vehicle or component to a safe condition on the ground after impact or landing, or after activities necessary to return the site to a safe condition, whichever occurs last.
4. **Authorization:** In accordance with the representations in the Blue Origin, LLC application as of the date of this license, and any amendments to the license application or waivers approved by the FAA, in writing, Blue Origin, LLC is authorized to conduct:
 - a. Pre-flight ground operations
 - i. Using the New Glenn vehicle.
 - ii. From Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.
 - b. Flight operation:
 - i. Using the New Glenn vehicle.
 - ii. From Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.
 - iii. To Atlantic Ocean Location specified in its application.

iv. For the New Glenn Mission Profile as represented in the application.

5. **Special Reporting Requirement:**

- a. Blue Origin, LLC must provide the FAA with the location and fate of the expended first stage and solid rocket boosters within 30 days of each launch using an approved plan that is submitted to the FAA at least 14 days prior to launch.
- b. Blue Origin must notify the FAA Operational Safety Directorate, Commercial Space Transportation, Safety Assurance Division (ASA-300), within 15 calendar days of any changes to the representations in its license application or any document prepared or submitted by Blue Origin, or its designee, on which the FAA relied to issue the vehicle operator license for New Glenn operations at Cape Canaveral Space Force Station, FL; to support the FAA's compliance with the National Environmental Policy Act, 42 U.S.C. §§ 4321 et seq., the Council on Environmental Quality's NEPA-implementing regulations at 40 CFR part 1500-1508, 14 CFR § 450.47(a), and FAA Order 1050.1F, Environmental Impacts: Policies and Procedures; and to reach determinations that the proposed Blue Origin licensed activities are consistent with applicable environmental requirements and will not significantly affect the quality of the human environment.

6. **Trajectory Analysis for Normal Flight Methodology limitation**

- a. Blue Origin must satisfy the post-flight review and update of its 14 CFR 450.117(d)(1) compliance prior to the 2nd flight of the New Glenn vehicle to address 14 CFR 450.115(c)(5) as described in the application.

7. **Closure of Open Hazard Control Verification Items:**

- a. Blue Origin must ensure that all open hazard control verification items currently listed in the application for § 450.107, "**Hazard Controls Verification ECD.xlsx**", are closed and that all verification items are consistent with the assumptions and findings of its safety analysis, prior to initiating licensed activity for the first flight.

8. **Flight Safety System:**

- a. Blue Origin must validate and document the flight safety system operating environment data collected during pre-flight testing against maximum predicted environments prior to the first launch.
- b. Blue Origin's Vehicle Operator License is limited to a single-flight use for the New Glenn FSS components. Prior to implementing FSS component reuse, Blue Origin shall submit an updated Means of Compliance to 450.145 addressing FSS component reuse.
- c. Blue Origin must complete the activities specified in its get-well plan as documented in the Launch Safety Requirements Relief Request (LSRRR) *Relief from Partial DO-178C DALB LLSR Verification and Structural Coverage Requirements*. Blue Origin must receive written approval from the FAA accepting the get-well plan and/or updates to the LSRRR prior to each flight that the LSRRR is applicable.

9. **License Term:** License No. VOL 24-133 terminates five (5) years from December 27, 2024.

**Office of Commercial
Space Transportation
License Order B-1
Regarding**

**Financial Responsibility
Requirements**

AUTHORIZED BY LICENSE NO. VOL 24-133
ISSUED TO:
Blue Origin, LLC

License No. VOL 24-133 Order B-1 establishes the orders regarding the financial responsibility requirements of Blue Origin, LLC's New Glenn vehicle launch from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.

1. **Authority:** This Order is issued to Blue Origin, LLC under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR part 440.
2. **Purpose:** This Order modifies License No. VOL 24-133 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, by prescribing financial responsibility requirements for licensed launch activities in accordance with 14 CFR part 440.
3. **Definitions:** For purposes of this Order, "licensed launch activities" shall mean activities authorized by the License. Other terms used in this Order are defined in accordance with 14 CFR § 440.3.
4. **Liability Insurance:** Blue Origin, LLC shall maintain a policy or policies of liability insurance in accordance with 14 CFR § 440.9(b) in the amount of:
 - a. Five Hundred Million Dollars (\$500,000,000) for covered claims resulting from launch operations performed from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.
5. **Government Property Insurance:** Blue Origin, LLC shall maintain a policy or policies of insurance in accordance with 14 CFR § 440.9(d) in the amount of:
 - a. One Hundred Million Dollars (\$100,000,000) for covered claims resulting from launch operations performed from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida,
6. **Covered Government Property:** Covered government property includes all property owned, leased, or occupied by, or within the care, custody, or control of, the United States and its agencies, and its contractors and subcontractors involved in licensed launch activities from Launch Complex 36 (LC-36) at Cape Canaveral Space Force Station, Florida.