

Commercial Space Transportation License

License No. LLO 22-126 Rev 1

**Firefly Aerospace,
Inc.**

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 Alpha 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:	September 9, 2022
LLO 22-126 Rev 1 Issued:	December 15, 2023
LLO 22-126 Rev 1 Effective:	December 15, 2023



US Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave., SW
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MICHELLE S MURRAY

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Date: 2023.12.15 17:42:12 -05'00'

Michelle S. Murray
Manager, Safety Authorization Division

LICENSE AND ORDERS REVISION HISTORY

Rev No.	Date	Section	Description
1	Dec 15, 2023	All Sections	1. Updated to reflect the revised License and Orders format.
		A-1 paragraph 4(b)(iii)	2. Added “communication” to the list of non-government payloads and removed “polar” from “low Earth orbit”.
		A-1 paragraph 5	3. Added special reporting requirements for a.) anomaly reporting and b.) stage fate.

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

Launch

AUTHORIZED BY LICENSE NO. LLO 22-126 Rev 1
ISSUED TO:
Firefly Aerospace, Inc.

License No. LLO 22-126 Rev 1 Order A-1 establishes the orders regarding the launch of Firefly Aerospace, Inc.'s Alpha vehicle from Space Launch Complex 2 West at Vandenberg Space Force Base, California.

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1. **Authority:** This Order is issued to Firefly Aerospace, Inc. under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR chapter III.
 2. **Purpose:** This Order modifies License No. LLO 22-126 Rev 1 issued by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Firefly Aerospace, Inc. to conduct the launch of its Alpha vehicle as identified in the license application; and prescribes as conditions to License No. LLO 22-126 Rev 1 certain requirements applicable to launch.
 3. **Definitions:** For purposes of License No. LLO 22-126 Rev 1 and any orders issued by the FAA pertaining to activities covered by License No. LLO 22-126 Rev 1:
 - a. "Pre-flight ground operations" shall mean Firefly Aerospace, Inc.'s pre-flight preparations of the Alpha vehicle at Vandenberg Space Force Base, California, beginning with the arrival of the Alpha vehicle at Vandenberg Space Force Base.
 - b. "Flight" shall mean the flight of an Alpha launch vehicle commencing with ignition of the first stage from Vandenberg Space Force Base, California, on the same ground track and trajectory as presented in the license application for the purposes of transporting classes of payloads to low Earth orbit. A flight is concluded upon Firefly's last exercise of control over the Alpha vehicle, following the activation of the last payload, including the safing of the upper stage.
 4. **Authorization:** In accordance with the representations in the Firefly Aerospace, Inc. application as of the date of this license, and any amendments to the license application or waivers approved by the FAA, in writing, Firefly Aerospace, Inc. is authorized to conduct:
 - a. Pre-flight ground operations
 - i. Using the Alpha vehicle.
 - ii. At Space Launch Complex 2 West at Vandenberg Space Force Base, California.
 - b. Flights:
 - i. Using the Alpha vehicle.
 - ii. From Space Launch Complex 2 West at Vandenberg Space Force Base, California.
 - iii. Transporting (1) U.S. government payloads and (2) non-government remote sensing, scientific, communication, technology demonstration, and memorabilia payloads, to low Earth orbit as described in the license application.

5. **Special Reporting Requirement:**

- a. Firefly Aerospace, Inc. must identify and report any anomaly during any pre-flight ground operations of the vehicle that could be material to public health and safety and the safety of property within 90 days.
- b. Firefly Aerospace, Inc. must provide FAA with the location and fate of the expended stage(s) within 30 days of each launch using an approved plan that is submitted to the FAA at least 14 days prior to launch.

6. **License Term:** License No. LLO 22-126 Rev 1 expires on March 9, 2026.

**OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

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

**Financial Responsibility
Requirements**

AUTHORIZED BY LICENSE NO. LLO 22-126 Rev 1
ISSUED TO:
Firefly Aerospace, Inc.

License No. LLO 22-126 Rev 1 Order B-1 establishes the orders regarding the financial responsibility requirements of Firefly Aerospace, Inc.'s Alpha vehicle launch from Space Launch Complex 2 West at Vandenberg Space Force Base, California.

1. **Authority:** This Order is issued to Firefly Aerospace, Inc. under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR part 440.
2. **Purpose:** This Order modifies License No. LLO 22-126 Rev 1 issued 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:** Firefly Aerospace, Inc. shall maintain a policy or policies of liability insurance in accordance with 14 CFR § 440.9(b) in the amount of:
 - a. Six Million Dollars (\$6,000,000) for covered claims resulting from pre-flight ground operations performed from Space Launch Complex 2 West at Vandenberg Space Force Base, California,
 - b. Eighty Million Dollars (\$80,000,000) for covered claims resulting from the flight of the Alpha launch vehicle from Space Launch Complex 2 West at Vandenberg Space Force Base, California.
5. **Government Property Insurance:** Firefly Aerospace, Inc. shall maintain a policy or policies of insurance in accordance with 14 CFR § 440.9(d) in the amount of:
 - a. One Million Dollars (\$1,000,000) for covered claims resulting from pre-flight ground operations performed from Space Launch Complex 2 West at Vandenberg Space Force Base, California,
 - b. Thirty Million Dollars (\$30,000,000) for covered claims resulting from flight of the Alpha launch vehicle from Space Launch Complex 2 West at Vandenberg Space Force Base, California.
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 Space Launch Complex 2 West at Vandenberg Space Force Base, California.