

# Commercial Space Transportation License

License Number: LLO 22-126

**FIREFLY  
AEROSPACE, INC.**

**is authorized, subject to the provisions of 51 USC Subtitle V, ch. 509, and the orders, rules, and regulations issued under it, to conduct launches.**

General. Firefly Aerospace, Inc. is authorized to conduct:

- (a) Flights of the Alpha launch vehicle from Space Launch Complex 2 West at Vandenberg Space Force Base (VSFB), transporting multiple payloads to low Earth orbit; and
- (b) Pre-flight ground operations at VSFB associated with the flights, as identified in paragraph (a) of this license, of the Alpha launch vehicle.

**This license is granted subject to the terms, conditions, and limitations set forth in licensing orders and any other written stipulations issued by the Office of Commercial Space Transportation.**

**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 this license.**



US Department  
of Transportation  
**Federal Aviation  
Administration**

800 Independence Ave., S.W.  
Washington, D.C. 20591

**Issued On: September 9, 2022**

**Effective On: September 9, 2022**

**MICHELLE S MURRAY**

Digitally signed by MICHELLE S MURRAY  
Date: 2022.09.09 19:24:38 -04'00'

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**Michelle S. Murray, Manager  
Safety Authorization Division**

**License Order No. LLO 22-126A**

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**LAUNCH**

AUTHORIZED BY LICENSE NO. LLO 22-126  
ISSUED TO

FIREFLY AEROSPACE, INC.

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1. Authority: This Order is issued to Firefly Aerospace, Inc., referred to as Firefly, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LLO 22-126 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Firefly to conduct launches as identified by name in the license application of its Alpha launch vehicle; and prescribes as conditions to License No. LLO 22-126 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. LLO 22-126 and any orders issued by the FAA pertaining to activities covered by License No. LLO 22-126:
  - (a) "Flight" shall mean the flight of an Alpha launch vehicle commencing with ignition of the first stage from Vandenberg Space Force Base (VSFB) 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.
  - (b) "Pre-flight ground operations" shall mean Firefly's pre-flight preparations of the Alpha vehicle at VSFB, beginning with the arrival of the Alpha vehicle at VSFB.

4. License Term: License No. LLO 22-126 expires on March 9, 2026.
5. Authorization: Firefly is authorized to conduct flights of a launch vehicle, and associated pre-flight ground operations:
  - a) Using an Alpha launch vehicle;
  - b) From Vandenberg Space Force Base, California;
  - c) On the ground tracks and trajectories presented in the license application;
  - d) Transporting (i) U.S. government payloads and (ii) non-government remote sensing, scientific, technology demonstration, and memorabilia payloads, to low Earth polar orbit as described in the license application; and
  - e) According to the launch vehicle, launch vehicle systems, and safety management program represented in the Firefly application as of the date of this order, and any amendments to the license application approved by the FAA, in writing.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: MICHELLE S MURRAY Digitally signed by MICHELLE S MURRAY  
Date: 2022.09.09 19:25:55 -04'00'  
Michelle S. Murray, Manager  
Safety Authorization Division

Issued On: September 9, 2022  
Effective On: September 9, 2022

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

UNDER LICENSE NO. LLO 22-126  
ISSUED TO

FIREFLY AEROSPACE, INC.

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1. Authority: This Order is issued to Firefly Aerospace, Inc., referred to as Firefly, under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. part 440.
2. Purpose: This Order modifies License No. LLO 22-126 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 C.F.R. 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 C.F.R. § 440.3.
4. Liability Insurance: Firefly shall maintain a policy or policies of liability insurance in accordance with 14 C.F.R. § 440.9(b) in the amount of:
  - (a) Eighty Million Dollars (\$80,000,000) for covered claims resulting from flight of an Alpha launch vehicle from Vandenberg Space Force Base (VSFB).
  - (b) Six Million Dollars (\$6,000,000) for covered claims resulting from pre-flight operations performed at VSFB.
5. Government Property Insurance: Firefly shall maintain a policy or policies of insurance in accordance with 14 C.F.R. § 440.9(d) in the amount of:
  - (a) Thirty Million Dollars (\$30,000,000) for covered claims resulting from one flight of an Alpha launch vehicle from VSFB.

**License Order No. LLS 21-221B**

- (b) One Million Dollars (\$1,000,000) for covered claims resulting from pre-flight operations performed at VSF.
6. Covered 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, at VSF.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: **MICHELLE S MURRAY** Digitally signed by MICHELLE S MURRAY  
Date: 2022.09.09 19:27:29 -04'00'

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Michelle S. Murray, Manager  
Safety Authorization Division

Issued On: September 9, 2022  
Effective On: September 9, 2022