

# Commercial Space Transportation License

License Number: LLS 21-221

**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) A flight of the Alpha launch vehicle from Space Launch Complex 2 West at Vandenberg Air Force Base (VAFB), transporting its FLTA001 mission with multiple payloads to low Earth orbit; and
- (b) pre-flight ground operations at VAFB 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: April 19, 2021**

**Effective On: April 19, 2021**

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**Manager Safety Authorization Division**

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

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**LAUNCH**

AUTHORIZED BY LICENSE NO. LLS 21-221  
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. LLS 21-221 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Firefly to conduct a launch of the Alpha launch vehicle for the FLTA001 mission; and prescribes as conditions to License No. LLS 21-221 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. LLS 21-221 and any orders issued by the FAA pertaining to activities covered by License No. LLS 21-221:
  - (a) "Flight" shall mean the flight of an Alpha launch vehicle commencing with ignition of the first stage from Vandenberg Air Force Base (VAFB) on the same ground track and trajectory as presented in the license application for the purposes of transporting its FLTA001 mission with multiple 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 VAFB, beginning with the arrival of the Alpha vehicle at VAFB.

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

4. License Term: The License No. LLS 21-221 terminates upon completion of the FLTA001 launch authorized by the license, or one (1) year from the effective date of this license order, whichever occurs first.
  
5. Authorization: Firefly is authorized to conduct a flight of a launch vehicle and associated pre-flight ground operations:
  - (a) Using an Alpha launch vehicle;
  - (b) From Vandenberg Air Force Base, California;
  - (c) On the ground track and trajectory presented in the license application;
  - (d) Transporting to low Earth orbit multiple payloads;
  - (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: \_\_\_\_\_  
Daniel P. Murray, Manager  
Safety Authorization Division

Issued On: April 19, 2021  
Effective On: April 19, 2021

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

UNDER LICENSE NO. LLS 21-221  
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. LLS 21-221 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 (or otherwise demonstrate financial responsibility) 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 Air Force Base (VAFB).
  - (b) Six Million Dollars (\$6,000,000) for covered claims resulting from pre-flight operations performed at VAFB.
5. Government Property Insurance: Firefly shall maintain a policy or policies of insurance (or otherwise demonstrate financial responsibility) in accordance with 14 C.F.R. § 440.9(d) in the amount of:

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- (a) Twenty-Five Million Dollars (\$25,000,000) for covered claims resulting from one flight of an Alpha launch vehicle from VAFB.
  - (b) One Million Dollars (\$1,000,000) for covered claims resulting from pre-flight operations performed at VAFB.
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 VAFB.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: \_\_\_\_\_  
Daniel P. Murray, Manager  
Safety Authorization Division

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