

# Commercial Space Transportation License

License Number: VOL 22-125

## ABL SPACE SYSTEMS

**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. ABL Space Systems is authorized to conduct:

- (a) Flights of RS1 Rocket launch vehicle from Launch Pad 3C at Kodiak Pacific Spaceport Complex – Alaska (PSCA), transporting payloads to orbit; and
- (b) Pre-flight ground operations at Kodiak PSCA, associated with the flight of the RS1 Rocket 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., SW  
Washington, D.C. 20591

**Issued On: November 13, 2022**

**Effective On: November 13, 2022**

**MICHELLE S MURRAY** Digitally signed by MICHELLE S MURRAY  
Date: 2022.11.13 08:22:20 -05'00'

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

**License Order No. VOL 22-125A**

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**LAUNCH**

AUTHORIZED BY LICENSE NO. VOL 22-125  
ISSUED TO

ABL SPACE SYSTEMS

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1. Authority: This Order is issued to ABL Space Systems, referred to as ABL, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. VOL 22-125 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing ABL to conduct launches of the RS1 launch vehicle; and prescribes as conditions to License No. VOL 22-125 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. VOL 22-125 and any orders issued by the FAA pertaining to activities covered by License No. VOL 22-125:
  - (a) "Flight" shall mean the flight of an ABL RS1 launch vehicle begins with ignition of the first stage for the purposes of transporting payloads to low Earth orbit. A flight ends upon ABL's last exercise of control over the vehicle, including when ABL commands the passivation of the upper stage, after vehicle components impact on Earth, after activities necessary to return vehicle components to a safe condition on the ground after impact, or after activities necessary to return the site to a safe condition, whichever occurs latest.
  - (b) "Pre-flight ground operations" shall mean ABL's pre-flight preparations of the RS1 launch vehicle at PSCA, beginning at pressurization above 25% of the vehicle's composite overwrapped pressure vessels in preparing the vehicle for flight or the initiation of loading

**License Order No. VOL 22-125A**

the vehicle with either propellant in preparing the vehicle for flight, whichever occurs first. Pre-flight ground operations end when flight begins.

4. License Term: The License No. VOL 22-125 terminates five (5) years from November 13, 2022.
5. Authorization: ABL is authorized to conduct pre-flight ground operations and flight:
  - (a) Using a RS1 launch vehicle;
  - (b) From Kodiak Pacific Spaceport Complex, Alaska;
  - (c) For the first flight only, unless this license is modified to remove this term;
  - (d) According to the representations in the ABL application as of the date of this order, and any amendments to the license application or waivers 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: 2022.11.13 08:23:03 -05'00'  
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Michelle S. Murray, Manager  
Safety Authorization Division

Issued On: November 13, 2022  
Effective On: November 13, 2022

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

UNDER LICENSE NO. VOL 22-125  
ISSUED TO

ABL SPACE SYSTEMS

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1. Authority: This Order is issued to ABL Space Systems, referred to as ABL, under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. part 440.
2. Purpose: This Order modifies License No. VOL 22-125 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: ABL shall maintain a policy or policies of liability insurance in accordance with 14 C.F.R. § 440.9(b) in the amounts of:
  - (a) Forty-Five Million Dollars (\$45,000,000) for covered claims resulting from flight operations performed at PSCA and
  - (b) Nine Million Dollars (\$9,000,000) for covered claims resulting from pre-flight ground operations performed at PSCA.
5. Government Property Insurance: RESERVED
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  
PSCA.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: **MICHELLE S MURRAY** Digitally signed by MICHELLE S MURRAY  
Date: 2022.11.13 08:24:04 -05'00'  
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Michelle S. Murray, Manager  
Safety Authorization Division

Issued On: November 13, 2022

Effective On: November 13, 2022