

Commercial Space Transportation License

License Number: LLO 23-128

UNITED LAUNCH ALLIANCE, 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.

General. United Launch Alliance, L.L.C. is authorized to conduct:

- a) Flights of the Vulcan Centaur launch vehicle from Space Launch Complex 41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS), and
- b) Pre-flight ground operations at CCSFS SLC-41 associated with the flight of the Vulcan Centaur 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 this license.



US Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave., SW
Washington, D.C. 20591

Issued On: July 6, 2023
Effective On: July 6, 2023

**DANIEL P
MURRAY**

**Daniel Murray, Executive Director
Office of Operational Safety**

Digitally signed by
DANIEL P MURRAY
Date: 2023.07.06
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OFFICE OF COMMERCIAL SPACE TRANSPORTATION LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLO 23-128
ISSUED TO

UNITED LAUNCH ALLIANCE, L.L.C.

1. **Authority:** This Order is issued to United Launch Alliance, L.L.C., referred to as ULA, under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR chapter III.
2. **Purpose:** This Order modifies License No. LLO 23-128 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation (FAA), authorizing ULA to conduct launches of its Vulcan Centaur launch vehicle as identified in the license application; and prescribes as conditions to License No. LLO 23-128 certain requirements applicable to the launch.
3. **Definitions:** For purposes of License No. LLO 23-128 and any orders issued by the FAA pertaining to activities covered by License No. LLO 23-128:
 - a) "Launch" means (a) flight and (b) pre-flight ground operations, as defined in this section.
 - b) "Flight" shall mean the flight of a Vulcan Centaur launch vehicle, commencing with ignition of the first stage from Launch Complex 41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS), Florida, for the purposes of transporting payloads to Earth orbit. A flight ends upon ULA's last exercise of control over the vehicle, including when ULA 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.
 - c) "Pre-flight ground operations" shall mean ULA's pre-flight preparations of a Vulcan Centaur launch vehicle at CCSFS SLC-41, beginning with the arrival of hardware at CCSFS.
4. **Authorization:** ULA is authorized to conduct pre-flight ground operations and flight:
 - a) Using the Vulcan Centaur launch vehicle;
 - b) From SLC41 at CCSFS, Florida;
 - c) According to the representations in the license application as of the date of this order, and any amendments to the license application or waivers approved by the FAA, in writing.

5. **Special Reporting Requirement:** ULA must provide 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.
6. **Term and Condition:** Prior to the initial launch, ULA must submit the final results of the flight safety analysis for compliance with 14 C.F.R. § 415.35(a).
7. **License Term:** License No. LLO 23-128 terminates on March 9, 2026.

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

Issued On: July 6, 2023

Effective On: July 6, 2023

OFFICE OF COMMERCIAL SPACE TRANSPORTATION LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

UNDER LICENSE NO. LLO 23-128
ISSUED TO

UNITED LAUNCH ALLIANCE, L.L.C.

1. **Authority**: This Order is issued to United Launch Alliance, L.L.C., referred to as ULA, under 51 U.S.C. Subtitle V, chapter 509, and 14 CFR part 440.
2. **Purpose**: This Order modifies License No. LLO 23-128 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**: ULA shall maintain a policy or policies of liability insurance in accordance with 14 CFR § 440.9(b) in the amount of:
 - a. Two Hundred Seventy-Four Million Dollars (\$274,000,000) for covered claims resulting from the flight of the Vulcan Centaur launch vehicle from Space Launch Complex 41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS), Florida, and
 - b. Twelve Million Dollars (\$12,000,000) for covered claims resulting from pre-flight ground operations performed at CCSFS SLC-41.
5. **Government Property Insurance**: ULA 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 flight of the Vulcan Centaur launch vehicle from CCSFS SLC-41, and
 - b. Fifty-Four Million Dollars (\$54,000,000) for covered claims resulting from pre-flight ground operations performed at CCSFS SLC-41.

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 CCSFS SLC-41.

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

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