

Commercial Space Transportation License

License Number: LLO 18-113 (Rev 5)

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 Atlas V 501 and 551 launch vehicles from Space Launch Complex 41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS).
- b) Pre-flight ground operations at CCSFS SLC-41 associated with the flights of the Atlas V 501 and 551 vehicles.

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

Original Issued: June 1, 2018

Issued On: September 20, 2023

Effective On: September 20, 2023

MICHELLE S MURRAY

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MURRAY
Date: 2023.09.20 16:41:05 -04'00'

Michelle S. Murray, Manager
Safety Authorization Division

LICENSE AND ORDERS REVISION HISTORY

| Rev No. | Date | Section | Description |
|----------------|------------------|-----------------|--|
| 5 | 9/20/2023 | Multiple | Modification of license LLO 18-113 – effective 9/20/2023 1) Modified License to add the Atlas V 501 variant to LLO. 2) Modified Liability Insurance and Government Property Insurance amounts to include those for the 501 variant. |
| 4 | 6/1/2023 | Multiple | Renewal of license LLO 18-113 – effective 6/1/2023 1) Restructured license and orders to fit newest template. 2) Removed signatures from Orders and renumbered. 3) Modified License to only include United Launch Alliance’s Atlas V 551. 4) Modified Liability Insurance and Government Property Insurance amounts for the license renewal. |
| 3 | 2/2/2019 | Order D | Revision 2 Order D (Financial Responsibility) – Issued February 2, 2019 1) In paragraph 4(b)(1): delete “401, ” 2) Inserted new paragraph 4(b)(3): “Twenty-Two Million Five-Hundred Thousand Dollars (\$22,500,000) for Atlas V 401.” |
| 2 | 1/24/2020 | Order D | Revision 3 Order D (Financial Responsibility) – Issued January 24, 2020 1) Moved paragraph 4(b)(3) up to become new paragraph 4(b)(1) 2) In paragraph 4(b), replaced newly renumbered lines (2)-(3) with the following: “(2) Eighty Million Dollars (\$80,000,000) for Atlas V 411.” “(3) One Hundred Seven Million Dollars (\$107,000,000) for Atlas V 421, and 521.” “(4) One Hundred Forty Million Dollars (\$140,000,000) for Atlas V 431 and 531.” “(5) One Hundred Sixty-Four Million Dollars (\$164,000,000) for Atlas V 541.” “(6) One Hundred Eighty-Two Million Dollars (\$182,000,000) for Atlas V 551.” |
| 1 | 6/1/2018 | Order D | Original License Order - Issued June 1, 2018 Revision 1 Order D (Financial Responsibility) - Issued November 1, 2018 1) Changed the first sentence of paragraph 2 from "This Order amends License No. LLO 18-113 issued concurrently by the ..." to "This Order modifies License No. LLO 18-113 originally issued on June 1, 2018, by the ...". 2) In paragraph 2, after “Space Transportation,” inserted “authorizing ULA to conduct launches;” and following, replaced “by prescribing” with “and prescribes”. 3) Moved paragraph 4(b) up to become 4(a); after “performed at ” inserted “Cape Canaveral Air Force Station (” ; after “CCAFS” inserted “)”. 4) Inserted new paragraph 4(b): “For covered claims resulting from flight of an Atlas V launch vehicle from CCAFS: 5) Inserted new paragraph 4(b)(1) and added following: “One Hundred Sixty-Five Million Dollars (\$165,000,000) for Atlas V 401, 411, 421, and 521.” 6) Indented and changed former paragraph 4(a) to become 4(b)(2); and replaced “covered claims resulting from ... (CCAFS)” with “Atlas V 431 and 531”. 7) Redesignated License Order No. LLO 18-113D with "(Rev 1)" following. |

OFFICE OF COMMERCIAL SPACE TRANSPORTATION LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLO 18-113 (Rev 5)
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 18-113 (Rev 5) issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation (FAA), authorizing ULA to conduct launches of its Atlas V 501 and 551 launch vehicles as identified in the license application; and prescribes as conditions to License No. LLO 18-113 (Rev 5) certain requirements applicable to the launch.
3. **Definitions:** For purposes of License No. LLO 18-113 (Rev 5) and any orders issued by the FAA pertaining to activities covered by License No. LLO 18-113 (Rev 5):
 - a) "Flight" shall mean the flight of an Atlas V 501 or 551 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.
 - b) "Pre-flight ground operations" shall mean ULA's pre-flight preparations of an Atlas V 501 or 551 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 Atlas V 501 or 551 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 Requirements:**

- a) 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.
- b) In addition to all applicable reporting requirements under 14 C.F.R. Ch. III, ULA must identify any anomaly occurring on a prior Atlas V launch that could be material to public safety no later than 15 days before any flight conducted under this license, unless the requirement of 14 C.F.R. §417.25(a) has already been satisfied.

6. **License Term:** License No. LLO 18-113 (Rev 5) terminates on March 9, 2026.

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

Issued On: September 20, 2023

Effective On: September 20, 2023

OFFICE OF COMMERCIAL SPACE TRANSPORTATION LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

UNDER LICENSE NO. LLO 18-113 (Rev 5)
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 18-113 (Rev 5) 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. Twelve Million Dollars (\$12,000,000) for covered claims resulting from the pre-flight ground operations performed at Space Launch Complex 41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS), Florida.
 - b. For covered claims resulting from flight of an Atlas V launch vehicle from SLC-41 at CCSFS.
 - (1) One Hundred Seven Million Dollars (\$107,000,000) for Atlas V 501, and
 - (2) One Hundred Eighty-Two Million Dollars (\$182,000,000) for Atlas V 551.
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. Fifty Million Dollars (\$50,000,000) for covered claims resulting from pre-flight ground operations performed at CCSFS SLC-41, and
 - b. Fifty Million Dollars (\$50,000,000) for covered claims resulting from flight of an Atlas V launch vehicle from CCSFS SLC-41.

6. **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 at CCSFS SLC-41.

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

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