

# Commercial Space Transportation License

License Number: LLS 13-082

## UNITED LAUNCH ALLIANCE

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

General. United Launch Alliance is authorized to conduct:

- (i) One flight of a Delta IV Heavy launch vehicle from Complex 37B at Cape Canaveral Air Force Station (CCAFS) on a flight azimuth of 95 degrees transporting the Orion Exploration Flight Test 1 (EFT-1) reentry vehicle to a planned reentry trajectory; and
- (ii) pre-flight ground operations at CCAFS associated with the flight, as identified in paragraph (i) of this license, of the Delta IV Heavy launch vehicle.

**This license is granted subject to the terms, conditions, and limitations set forth in licensing orders A, B, C, and D and any subsequent orders issued by the Office of Commercial Space Transportation.**

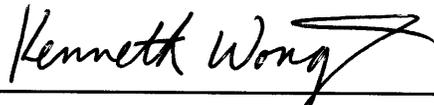
**The licensee shall at all times conduct its operations in accordance with the regulations prescribed by the Office of Commercial Space Transportation for the activities authorized by this license.**



US Department  
of Transportation  
Federal Aviation  
Administration

Issued On: June 3, 2013

Effective On: June 3, 2013

  
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Manager, Licensing and Evaluation Division

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

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLS 13-082  
ISSUED TO

UNITED LAUNCH ALLIANCE

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1. Authority: This Order is issued to United Launch Alliance, referred to as ULA, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LLS 13-082 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing ULA to conduct the launch of a Delta IV Heavy launch vehicle; and prescribes as conditions to License No. LLS 13-082 certain requirements applicable to the launch.
3. Definitions: For purposes of License No. LLS 13-082 and any orders issued by the FAA pertaining to activities covered by License No. LLS 13-082:
  - (i) "Flight" shall mean the flight of a Delta IV Heavy launch vehicle commencing with ignition of the first stage from Cape Canaveral Air Force Station (CCAFS) on a launch azimuth of 95 degrees and transporting the Orion EFT-1 Command Module (CM) to a highly elliptical orbit leading to a targeted reentry into the Pacific Ocean. A flight is concluded upon ULA's last exercise of control over the Delta IV Heavy vehicle following separation of the EFT-1 CM, including the deorbit burn of the upperstage and its safing.
  - (ii) "Pre-flight ground operations" shall mean ULA's pre-flight preparation of the Delta IV Heavy vehicle at CCAFS, beginning with the arrival of the Delta IV Heavy vehicle at CCAFS.

4. License Term: License No. LLS 13-082 terminates upon completion of the launch authorized by the license, or on December 31, 2015, whichever occurs first.

\* OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By:   
Kenneth Wong, Manager  
Licensing and Evaluation Division

Issued On: June 3, 2013

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OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FLIGHT**

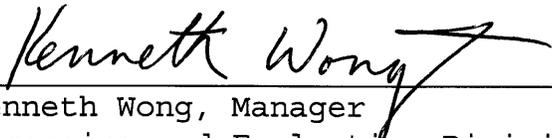
AUTHORIZED BY LICENSE NO. LLS 13-082  
ISSUED TO

UNITED LAUNCH ALLIANCE

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1. Authority: This Order is issued to United Launch Alliance, referred to as ULA, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LLS 13-082 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing ULA to conduct the launch of a Delta IV Heavy launch vehicle; and prescribes as conditions to License No. LLS 13-082 certain requirements applicable to the authorization to conduct the flight of this launch vehicle.
3. Authorization: ULA is authorized to conduct the flight of a launch vehicle:
  - (a) Using a Delta IV Heavy launch vehicle;
  - (b) From Cape Canaveral Air Force Station (CCAFS), Florida;
  - (c) On a launch azimuth of 95 degrees;
  - (d) Transporting to a highly elliptical orbit for a planned reentry of the Orion EFT-1 CM.
  - (e) According to the launch vehicle, launch vehicle systems, and safety management program represented in the ULA 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

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Licensing and Evaluation Division

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OFFICE OF  
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LICENSE ORDER REGARDING

**PRE-FLIGHT GROUND OPERATIONS**

AUTHORIZED BY LICENSE NO. LLS 13-082  
ISSUED TO

UNITED LAUNCH ALLIANCE

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  2. Purpose: This Order modifies License No. LLS 13-082 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing ULA to conduct the launch of a Delta IV Heavy launch vehicle; and prescribes as conditions to License No. LLS 13-082 certain requirements applicable to the authorization to conduct pre-flight ground operations.
  3. Authorization: ULA is authorized to conduct pre-flight ground operations at CCAFS associated with the launch of the Orion EFT-1 reentry vehicle on a Delta IV Heavy launch vehicle.

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FEDERAL AVIATION ADMINISTRATION

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COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

Under License No. LLS 13-082  
Issued to

UNITED LAUNCH ALLIANCE

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1. Authority: This Order is issued to United Launch Alliance, referred to as ULA, under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. part 440.
2. Purpose: This Order modifies License No. LLS 13-082 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: ULA 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) Fifty Six Million Dollars (\$56,000,000) for covered claims resulting from flight of the Delta IV Heavy launch vehicle from Cape Canaveral Air Force Station (CCAFS).
  - (b) Six Million Dollars (\$6,000,000) for covered claims resulting from pre-flight operations performed at CCAFS.

5. Government Property Insurance: ULA 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:
- (a) Fifty Million Dollars (\$50,000,000) for covered claims resulting from flight of the Delta IV Heavy launch vehicle from CCAFS.
  - (b) Twenty Five Million Dollars (\$25,000,000) for covered claims resulting from pre-flight operations performed at CCAFS.
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 CCAFS.

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