

Commercial Space Transportation License

License Number: LLO 18-105

SPACE EXPLORATION TECHNOLOGIES

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. Space Exploration Technologies is authorized to conduct:

- (i) Flights of Falcon 9 launch vehicles from Launch Complex 40 at Cape Canaveral Air Force Station (CCAFS), each transporting a communications satellite to a geosynchronous transfer orbit; and
- (ii) pre-flight ground operations at CCAFS associated with the flights, as identified in paragraph (i) of this license, of the Falcon 9 launch vehicles.

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

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

Issued: January 19, 2018

Effective: January 19, 2018

A handwritten signature in blue ink that reads "Kenneth Wong".

Manager, Licensing and Evaluation Division

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLO 18-105
ISSUED TO

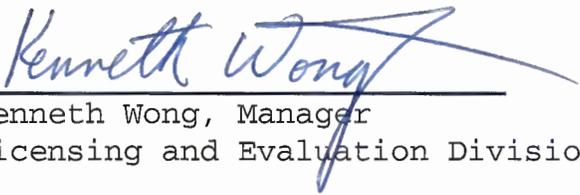
SPACE EXPLORATION TECHNOLOGIES

1. Authority: This Order is issued to Space Exploration Technologies, referred to as SpaceX, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LLO 18-105 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct launches of Falcon 9 launch vehicles; and prescribes as conditions to License No. LLO 18-105 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. LLO 18-105 and any orders issued by the FAA pertaining to activities covered by License No. LLO 18-105:
 - (i) "Flight" shall mean the flight of a Falcon 9 launch vehicle, commencing with ignition of the first stage from Cape Canaveral Air Force Station (CCAFS) and transporting a communications satellite to a geosynchronous transfer orbit. Flight includes fly back of the Falcon 9 first stage for landing on a droneship or splashdown in the ocean. A flight is concluded upon SpaceX's last exercise of control over the Falcon 9 vehicle, including the safing of the Falcon 9 vehicle stages or components that reach Earth orbit, following separation of the payload.
 - (ii) "Pre-flight ground operations" shall mean SpaceX's pre-flight preparations of the Falcon 9 launch vehicle at CCAFS, beginning with the arrival of the Falcon 9 vehicle at CCAFS.

4. Special Reporting Requirements: In addition to all applicable reporting requirements under 14 C.F.R. Ch. III, SpaceX must identify any anomaly occurring on a prior Falcon 9 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.

5. License Term: The term of License No. LLO 18-105 authorizing SpaceX to conduct launches is five (5) years from the effective date of this license order.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: 
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued: January 19, 2018
Effective: January 19, 2018

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

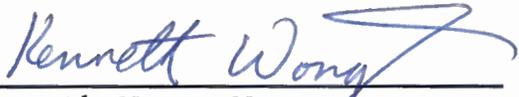
FLIGHT

AUTHORIZED BY LICENSE NO. LLO 18-105
ISSUED TO

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2. Purpose: This Order modifies License No. LLO 18-105 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct launches of Falcon 9 launch vehicles; and prescribes as conditions to License No. LLO 18-105 certain requirements applicable to the authorization to conduct the flights of these launch vehicles.
3. Authorization: SpaceX is authorized to conduct flights of launch vehicles:
 - (a) Using a Falcon 9 launch vehicle;
 - (b) From Launch Complex 40 at Cape Canaveral Air Force Station, Florida;
 - (c) On a nominal launch azimuth of 90 degrees;
 - (d) Transporting a communications satellite to a geosynchronous transfer orbit; and
 - (e) According to the launch vehicle, launch vehicle systems, and safety management program represented in the SpaceX application as of the date of this order, and any amendments to the license application approved by the FAA, in writing.

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Licensing and Evaluation Division

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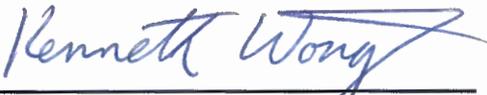
PRE-FLIGHT GROUND OPERATIONS

AUTHORIZED BY LICENSE NO. LLO 18-105
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SPACE EXPLORATION TECHNOLOGIES

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2. Purpose: This Order modifies License No. LLO 18-105 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct launches of Falcon 9 launch vehicles; and prescribes as conditions to License No. LLO 18-105 certain requirements applicable to the authorization to conduct pre-flight ground operations.
3. Authorization: SpaceX is authorized to conduct pre-flight ground operations at Cape Canaveral Air Force Station (CCAFS) associated with launches of communications satellites to a geosynchronous transfer orbit on Falcon 9 launch vehicles.

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OFFICE OF
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LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

Under License No. LLO 18-105
Issued to

SPACE EXPLORATION TECHNOLOGIES

1. Authority: This Order is issued to Space Exploration Technologies, referred to as SpaceX, under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. part 440.
2. Purpose: This Order modifies License No. LLO 18-105 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: SpaceX 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-Six Million Dollars (\$86,000,000) for covered claims resulting from flight of the Falcon 9 launch vehicle from Cape Canaveral Air Force Station (CCAFS), and
 - (b) Twelve Million Dollars (\$12,000,000) for covered claims resulting from pre-flight operations performed at CCAFS.

5. Government Property Insurance: SpaceX 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) One Hundred Million Dollars (\$100,000,000) for covered claims resulting from flight of the Falcon 9 launch vehicle from CCAFS, and
 - (b) Forty-Three Million Dollars (\$43,000,000) 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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