

Commercial Space Transportation License

License Number: LLS 17-096

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) Seven flights of Falcon 9 Version 1.2 launch vehicles from Space Launch Complex 4E (SLC-4E) at Vandenberg Air Force Base (VAFB) with each flight transporting ten Iridium NEXT payloads to low Earth orbit; and

(ii) pre-flight ground operations at VAFB associated with the flights, as identified in paragraph (i) of this license, of the Falcon 9 Version 1.2 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 6, 2017

Effective: January 6, 2017



Manager, Licensing and Evaluation Division

Manager, Licensing and Evaluation Division

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLS 17-096
ISSUED TO

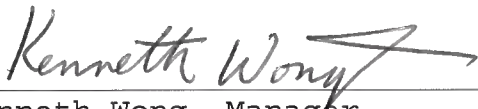
SPACE EXPLORATION TECHNOLOGIES

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. LLS 17-096 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct seven launches of Falcon 9 Version 1.2 launch vehicles; and prescribes as conditions to License No. LLS 17-096 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. LLS 17-096 and any orders issued by the FAA pertaining to activities covered by License No. LLS 17-096:
 - (a) "Flight" shall mean the flight of a Falcon 9 Version 1.2 launch vehicle commencing with ignition of the first stage from Vandenberg Air Force Base (VAFB) and transporting ten Iridium NEXT payloads into low Earth orbit. Flight includes landing of the Falcon 9 Version 1.2 first stage either on a dronship in the ocean or in the ocean. A flight is concluded upon SpaceX's last exercise of control over the Falcon 9 Version 1.2 launch vehicle, including the safing of Falcon 9 Version 1.2 launch vehicle stages or components that reach Earth orbit following separation of the payloads.
 - (b) "Pre-flight ground operations" shall mean SpaceX's pre-flight preparations of each of the seven Falcon 9 Version 1.2 launch vehicles at VAFB, beginning with

the arrival of the Falcon 9 Version 1.2 launch vehicles at VAFB.

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 less than 15 days before any flight conducted under this license, unless the requirement of 14 C.F.R. § 417.25(a) had already been satisfied.
5. License Term: License No. LLS 17-096 terminates upon completion of the launches authorized by the license, or on January 5, 2019, whichever occurs first.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: 
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued: January 6, 2017
Effective: January 6, 2017

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FLIGHT


AUTHORIZED BY LICENSE NO. LLS 17-096
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. LLS 17-096 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct seven launches of Falcon 9 Version 1.2 launch vehicles; and prescribes as conditions to License No. LLS 17-096 certain requirements applicable to the authorization to conduct the flights of these launch vehicles.
3. Authorization: SpaceX is authorized to conduct seven flights of launch vehicles:
 - (a) Using a Falcon 9 Version 1.2 launch vehicle;
 - (b) From Vandenberg Air Force Base (VAFB), California;
 - (c) On a flight azimuth of 179.2 degrees;
 - (d) Using a traditional command destruct Flight Termination System;
 - (e) Landing the Falcon 9 Version 1.2 first stage either on a droneship or in the ocean;
 - (f) Transporting to low Earth orbit ten Iridium Next payloads on each flight; and

- (g) 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.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: 
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued: January 6, 2017

Effective: January 6, 2017

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

PRE-FLIGHT GROUND OPERATIONS


AUTHORIZED BY LICENSE NO. LLS 17-096
ISSUED TO

SPACE EXPLORATION TECHNOLOGIES

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2. Purpose: This Order modifies License No. LLS 17-096 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct seven launches of Falcon 9 Version 1.2 launch vehicles; and prescribes as conditions to License No. LLS 17-096 certain requirements applicable to the authorization to conduct pre-flight ground operations.

Authorization: SpaceX is authorized to conduct pre-flight ground operations at VAFB associated with the launches of the Iridium NEXT payloads on Falcon 9 Version 1.2 launch vehicles.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: 
Kenneth Wong, Manager
Licensing and Evaluation Division

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OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

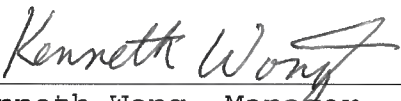
UNDER LICENSE NO. LLS 17-096
ISSUED TO

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. LLS 17-096 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) Twenty-Six Million Dollars (\$26,000,000) for covered claims resulting from flight of the Falcon 9 Version 1.2 launch vehicle from Vandenberg Air Force Base (VAFB).
 - (b) Nine Million Dollars (\$9,000,000) for covered claims resulting from pre-flight operations performed at VAFB.

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) Sixty-One Million Dollars (\$61,000,000) for covered claims resulting from flight of the Falcon 9 Version 1.2 launch vehicle from VAFB.
 - (b) One Million Dollars (\$1,000,000) for covered claims resulting from pre-flight operations performed at VAFB.
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 VAFB.

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