

Commercial Space Transportation License

License Number: LLS 13-086

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) Two flights of the Falcon 9 Version 1.1 launch vehicle from Complex 40 at Cape Canaveral Air Force Station (CCAFS) with each flight transporting one of the following payloads to geosynchronous transfer orbit:

- a. SES-8 satellite
- b. Thaicom-6 satellite; and

(ii) pre-flight ground operations at CCAFS associated with the flights, as identified in paragraph (i) of this license, of the Falcon 9 Version 1.1 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

Issued On: October 25, 2013

Effective On: October 25, 2013


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 13-086
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 13-086 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct two launches of Falcon 9 Version 1.1 launch vehicles; and prescribes as conditions to License No. LLS 13-086 certain requirements applicable to the launches.
3. Definitions: For purposes of License No. LLS 13-086 and any orders issued by the FAA pertaining to activities covered by License No. LLS 13-086:
 - (i) "Flight" shall mean the flight of a Falcon 9 Version 1.1 launch vehicle commencing with ignition of the first stage from Cape Canaveral Air Force Station (CCAFS) and transporting the SES-8 satellite or Thaicom-6 satellite to geosynchronous transfer orbit. A flight is concluded upon SpaceX's last exercise of control over the Falcon 9 Version 1.1 vehicle, including the safing of Falcon 9 Version 1.1 vehicle stages or components that reach Earth orbit, following separation of the payloads.
 - (ii) "Pre-flight ground operations" shall mean SpaceX's pre-flight preparations of each of two Falcon 9 Version 1.1 vehicles at CCAFS, beginning with the arrival of the Falcon 9 Version 1.1 vehicles at CCAFS.

4. License Term: License No. LLS 13-086 terminates upon completion of the launches authorized by the license, or on December 31, 2014, whichever occurs first.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: Kenneth Wong
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued On: October 25, 2013
Effective On: October 25, 2013

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FLIGHT

AUTHORIZED BY LICENSE NO. LLS 13-086
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 13-086 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct two launches of Falcon 9 Version 1.1 launch vehicles; and prescribes as conditions to License No. LLS 13-086 certain requirements applicable to the authorization to conduct the flights of these launch vehicles.
3. Authorization: SpaceX is authorized to conduct two flights of launch vehicles:
 - (a) Using a Falcon 9 Version 1.1 launch vehicle;
 - (b) From Cape Canaveral Air Force Station, Florida;
 - (c) On a flight azimuth of 90 degrees;
 - (d) Transporting to geosynchronous transfer orbit the SES-8 satellite on one flight and Thaicom-6 satellite on another flight; 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.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: Kenneth Wong
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued On: October 25, 2013

Effective On: October 25, 2013

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

PRE-FLIGHT GROUND OPERATIONS

AUTHORIZED BY LICENSE NO. LLS 13-086
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 13-086 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct two launches of Falcon 9 Version 1.1 launch vehicles; and prescribes as conditions to License No. LLS 13-086 certain requirements applicable to the authorization to conduct pre-flight ground operations.
4. Authorization: SpaceX is authorized to conduct pre-flight ground operations at CCAFS associated with the launches of the SES-8 and Thaicom-6 satellites on Falcon 9 Version 1.1 launch vehicles.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: Kenneth Wong
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued On: October 25, 2013
Effective On: October 25, 2013

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

Under License No. LLS 13-086
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 13-086 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-Two Million Five Hundred Thousand Dollars (\$22,500,000) for covered claims resulting from flight of the Falcon 9 Version 1.1 launch vehicle from Cape Canaveral Air Force Station (CCAFS).
 - (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 Version 1.1 launch vehicle from CCAFS.
 - (b) Thirteen Million Dollars (\$13,000,000) 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.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: Kenneth Wong
Kenneth Wong, Manager
Licensing and Evaluation Division

Issued on: October 25, 2013
Effective on: October 25, 2013