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# Commercial Space Transportation License

License Number: RLO 20-007

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## 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 reenter Dragon 2 reentry vehicles.

General. Space Exploration Technologies is authorized to conduct reentries of the Dragon 2 reentry vehicle from Earth orbit to a reentry location in the ocean.

**This license is granted subject to the terms, conditions, and limitations set forth in licensing orders A and B, 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 On: November 13, 2020**

**Effective On: November 13, 2020**

**DANIEL P  
MURRAY**

Digitally signed by  
DANIEL P MURRAY  
Date: 2020.11.13  
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**Manager, Safety Authorization Division**

License Order No. RLO 20-007A (Rev 1)

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**REENTRY**

AUTHORIZED BY LICENSE NO. RLO 20-007  
ISSUED TO

SPACE EXPLORATION TECHNOLOGIES

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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. RLO 20-007 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing SpaceX to conduct reentries of the Dragon 2 reentry vehicle; and prescribes as conditions to License No. RLO 20-007, requirements applicable to the reentries.
3. Definitions: For purposes of License No. RLO 20-007 and any orders issued by the FAA pertaining to activities covered by License No. RLO 20-007:
  - (a) "Reentry" shall mean the reentry of the Dragon 2 vehicle, commencing with the initiation of the final health check before the deorbit burn; it is concluded when toxics or unfired ordnance are not detected and mission personnel are cleared to approach the vehicle for recovery after splashdown.
4. Authorization: SpaceX is authorized to conduct reentries of the Dragon 2 reentry vehicle:
  - (a) From Earth orbit;
  - (b) From a nominal orbital inclination of 51.6 degrees;
  - (c) To an Atlantic Ocean or Gulf of Mexico location specified in its application;
  - (d) In support of NASA Commercial Crew Program and Commercial Resupply Services missions;

License Order No. RLO 20-007A (Rev 1)

- (e) According to the reentry vehicle, reentry 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.
5. Special Reporting Requirement: In addition to all applicable reporting requirements under 14 C.F.R. Ch. III, SpaceX must provide a summary of anomalies that occur during the mission that could be material to public safety or result in an environmental impact within three (3) weeks of each Dragon reentry.
6. License Term: The term of License No. RLO 20-007 authorizing SpaceX to conduct launches is two (2) years from November 13, 2020 or eighteen (18) months after the final launch that delivers a Dragon reentry vehicle included in the reentry license to orbit, whichever occurs first.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: \_\_\_\_\_  
Daniel P. Murray  
Manager, Safety Authorization Division

Original Issued On: November 13, 2020  
Rev 1 Issued on: December 3, 2020  
Rev 1 Effective On: December 3, 2020

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**Revision History:**  
Original License Order A - Issued November 13, 2020  
Revision 1 - Issued December 3, 2020

1) Paragraph (4)(d) Added "and Commercial Resupply Services"

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

Under License No. RLO 20-007  
Issued to

SPACE EXPLORATION TECHNOLOGIES

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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. RLO 20-007 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, by prescribing financial responsibility requirements for licensed activities in accordance with 14 C.F.R. part 440.
  3. Definitions: For purposes of this Order, "licensed reentry 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 Four Hundred Twenty Million Dollars (\$420,000,000) for covered claims resulting from reentry of a Dragon 2 reentry vehicle under License No. RLO 20-007.
  5. Duration of Coverage: In the event of an abort that results in a Dragon reentry vehicle remaining on orbit, the insurance required by paragraph 3 of this order shall remain in place for a period of eighteen (18) months or until the reentry of the reentry vehicle, whichever occurs first.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By: **DANIEL P  
MURRAY**  Digitally signed by  
DANIEL P MURRAY  
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Daniel P. Murray  
Manager, Safety Authorization Division

Issued On: November 13, 2020  
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