
Commercial Space Transportation License

License Number: RLO 20-007

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 4)

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

REENTRY

AUTHORIZED BY LICENSE NO. RLO 20-007
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. 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 4)

- (e) For commercial human space flight missions including private astronaut missions to the International Space Station;
 - (f) 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, 2022 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: MICHELLE S MURRAY Digitally signed by MICHELLE S MURRAY
Date: 2022.11.10 15:05:24 -05'00'
Michelle S. Murray
Manager, Safety Authorization Division

Original Issued On: November 13, 2020
Rev 4 Issued on: November 10, 2022
Rev 4 Effective On: November 13, 2022

License Order No. RLO 20-007A (Rev 4)

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"

Revision 2 - Issued September 10, 2021

- 1) Paragraphs in section 4 reordered to add 4(e)
- 2) Paragraph (4) (e) Added "For the Inspiration4 commercial human spaceflight mission"

Revision 3 - Issued March 18, 2022

- 1) Paragraph (4) (e) Removed "the Inspiration4 commercial human spaceflight mission"
- 2) Paragraph (4) (e) Added "commercial human space flight missions including private astronaut missions to the International Space Station"

Revision 4 - Issued November 09, 2022

- 1) Paragraph (6) Modified start of License Term from "November 13, 2020" to "November 13, 2022"

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

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 Three Hundred Ninety Million Dollars (\$390,000,000) 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.

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

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: **JAMES R**
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REPCHECK
Date: 2021.07.06 18:50:17
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Randy Repcheck
Manager, Safety Authorization Division

Original Issued On: November 13, 2020
Rev 1 Issued On: July 6, 2021
Rev 1 Effective On: July 6, 2021

Revision History:

Original License Order B - Issued November 13, 2020

Revision 1 - Issued July 6, 2021

- 1) Paragraph (4) Added "Three Hundred Ninety Million Dollars (\$390,000,000)"
and removed "Four Hundred Twenty Million Dollars (\$420,000,000)".