
Commercial Space Transportation License

License Number: LRLO 17-105 (Rev 1)

**BLUE ORIGIN
TEXAS, LLC**

is authorized, subject to the provisions of 51 USC Subtitle V, ch. 509, and the orders, rules, and regulations issued under it, to conduct suborbital reusable launch vehicle (RLV) missions.

General. Blue Origin Texas, LLC is authorized to conduct RLV missions to launch the New Shepard System. The RLV missions authorized by this license commence and conclude at Launch Site One.

This license is granted subject to the terms, conditions, and limitations set forth in licensing orders A, B, and C 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

Original Issued: August 17, 2017
Rev 1 Issued: July 14, 2021
Rev 1 Effective: July 14, 2021

**JAMES R
REPCHECK** Digitally signed by
JAMES R REPCHECK
Date: 2021.08.13
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Manager, Safety Authorization Division

Revision History:

Original License - August 17, 2017

Revision 1 - Issued July 14, 2021

- 1) Revised to reflect Blue Origin's launch site name change from "West Texas Launch Site (WTLIS)" to "Launch Site One."

License Order No. LRLO 17-105A (Rev 2)

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

REUSABLE LAUNCH VEHICLE (RLV) MISSIONS

AUTHORIZED BY LICENSE NO. LRLO 17-105
ISSUED TO

BLUE ORIGIN TEXAS, LLC

1. Authority: This Order is issued to Blue Origin Texas, LLC, referred to as Blue Origin, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LRLO 17-105 originally issued on August 17, 2017, by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Blue Origin to conduct suborbital RLV missions to launch the New Shepard System (NSS); and prescribes as conditions to License No. LRLO 17-105 certain requirements applicable to those missions.
3. Definitions: For purposes of License No. LRLO 17-105 and any orders issued by the FAA pertaining to activities covered by License No. LRLO 17-105:
 - (i) "Pre-flight ground operations" mean Blue Origin's pre-flight preparations of the NSS at Launch Site One.
 - (ii) "Flight" shall mean the flight of the NSS, commencing with ignition of the Propulsion Module from Launch Site One and transporting passive or active payloads, crew, or space flight participants on a suborbital trajectory. Flight includes fly back of the New Shepard Propulsion Module and parachute landing of the Crew Capsule, and concludes after activities necessary to return them to a safe condition on the ground.

4. Special Reporting Requirements: In addition to all applicable reporting requirements under 14 C.F.R. Ch. III, Blue Origin must identify any anomaly occurring on a prior launch conducted under this license that could be material to public safety no later than 15 days before any flight is conducted.
5. License Term: The term of License No. LRLO 17-105 authorizing Blue Origin to conduct RLV missions is two (2) years from August 17, 2021, the effective date of this license order.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: **JAMES R** Digitally signed by
JAMES R REPCHECK
Date: 2021.08.13
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Randy Repcheck, Manager
Safety Authorization Division

Original Issued: August 17, 2017
Rev 3 Issued: August 13, 2021
Rev 3 Effective: August 17, 2021

Revision History:

Original License - Issued August 17, 2017

Revision 1 - Issued August 15, 2019

- 1) Changed "Issued: August 17, 2017" to "Original Issued: August 17, 2017" and added "Rev 1 Issued: August 15, 2019"
- 2) Changed "Effective: August 17, 2017" to "Rev 1 Effective: August 17, 2019"

Revision 2 - Issued July 14, 2021

- 1) Revised to add crew and space flight participants to 3(ii), and to reflect Blue Origin's launch site name change from "West Texas Launch Site (WTLs)" to "Launch Site One."

Revision 3 - Issued August 13, 2021

- 1) Update item 5 above to delete the word "original" and to add "August 17, 2021, the effective" date.

License Order No. LRLO 17-105B (Rev 1)

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FLIGHT

AUTHORIZED BY LICENSE NO. LRLO 17-105
ISSUED TO

BLUE ORIGIN TEXAS, LLC

1. Authority: This Order is issued to Blue Origin Texas, LLC, referred to as Blue Origin, under 51 U.S.C. subtitle V, chapter 509, and 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LRLO 17-105 issued concurrently by the Federal Aviation Administration's Office of Commercial Space Transportation, authorizing Blue Origin to conduct suborbital RLV missions to launch the New Shepard System; and prescribes as conditions to License No. LRLO 17-105 certain requirements applicable to the authorization to conduct the flights of these launch vehicles.
3. Authorization: Blue Origin is authorized to conduct flights:
 - (a) Using the New Shepard System;
 - (b) From Blue Origin's Launch Site One;
 - (c) Transporting passive or active payloads, crew, or space flight participants; and
 - (d) According to the launch vehicle, launch vehicle systems, and safety management program represented in the Blue Origin 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

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Randy Repcheck, Manager
Safety Authorization Division

Original Issued: August 17, 2017
Rev 1 Issued: July 14, 2021
Rev 1 Effective: July 14, 2021

Revision History:

Original License - Issued August 17, 2017
Revision 1 - Issued July 14, 2021

- 1) Revised to add crew and space flight participants to 3(c), and to reflect Blue Origin's launch site name change from "West Texas Launch Site (WTLs)" to "Launch Site One."

License Order No. LRLO 17-105C (Rev 3)

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

FINANCIAL RESPONSIBILITY REQUIREMENTS

Under License No. LRLO 17-105
Issued to

BLUE ORIGIN TEXAS, LLC

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1. Authority: This Order is issued to Blue Origin Texas, LLC, referred to as Blue Origin, under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. part 440.
 2. Purpose: This Order modifies License No. LRLO 17-105 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. Financial Responsibility: Blue Origin shall maintain a form of financial responsibility as articulated in paragraphs (a) or (b) below, for the Maximum Probable Loss (MPL) amount of One Hundred Fifty Million Dollars (\$150,000,000) for covered claims resulting from pre-flight operations or flight of the New Shepard System from Blue Origin's Launch Site One.
 - (a) Parent Guarantee: The Parent Guarantor shall execute a guarantee on behalf of Blue Origin. This instrument shall guarantee all necessary and required resources for compliance with FAA's financial responsibility requirements, specifically in the amount of the MPL, as determined by the FAA for operations under LRLO 17-105.
 - i. The entire MPL amount associated with Blue Origin's reusable launch vehicle license shall be deposited in an account as liquid assets.
 - ii. The account shall have limited access permissions.

The only individuals able to access the funds shall be the Chief Executive Officer and Chief Financial Officer of Blue Origin Texas, LLC, and an executive officer of the Parent Guarantor.

- iii. Prior to each launch to be conducted under the guarantee, Blue Origin shall provide FAA no later than L-10 an account statement evidencing the availability of the MPL funds.
- iv. Prior to the first launch to be conducted under the guarantee, Blue Origin shall affirmatively represent and warrant the following:
 - 1. The MPL funds will be unobligated and unencumbered;
 - 2. The MPL funds will not be used or deployed for anything other than claims for a covered loss;
 - 3. The MPL funds will not be subject to any liens;
 - 4. The MPL funds will not be used as collateral for any debt or transaction; and
 - 5. The use of the MPL funds are not subordinate to any other claims on those funds.
- v. Prior to the first launch to be conducted under the guarantee, Blue Origin shall provide FAA an unqualified legal opinion in the customary form from an independent law firm regarding the binding and enforceable nature of the parent guarantee, as executed. Blue Origin shall notify the FAA if the contents of this legal opinion are rendered inaccurate for any reason. If Blue Origin cannot obtain an unqualified legal opinion, it may obtain a qualified legal opinion, subject to the approval of the Associate Administrator for the Office of Commercial Space Transportation.
- vi. In the event of bankruptcy or insolvency of Blue Origin, the Parent Guarantor shall not be relieved of any of its obligations under the parent guarantee.
- vii. In the event of an incident, accident, or mishap, as defined in regulation, during licensed activities or when directed by the Associate Administrator for the Office of Commercial Space Transportation, the parent guarantee shall remain in place. Blue Origin shall maintain in the account a portion of the MPL funds commensurate with the estimated loss or damages determined in consultation with the Associate Administrator for the Office of Commercial Space Transportation. Blue Origin shall utilize a reasonable claims administration process. MPL funds

shall be available to compensate claims at any time claims may arise.

- (b) Liability Insurance: Alternatively, Blue Origin shall maintain a policy or policies of liability insurance in accordance with 14 C.F.R. § 440.9(b) in the amount of the MPL, as determined by the FAA for operations under LRLO 17-105.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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Randy Repcheck, Manager
Safety Authorization Division

Original Issued: August 17, 2017
Rev 3 Issued: August 13, 2021
Rev 3 Effective: August 17, 2021

Revision History:

Original License - Issued August 17, 2017

Revision 1 - Issued December 6, 2019

- 1) Reference item 4 above, change the liability insurance amount from Six Million Dollars (\$6,000,000) to Seventy-Five Million Dollars (\$75,000,000).

Revision 2 - Issued July 14, 2021

- 1) Reference item 4 above, change the liability insurance amount from Seventy-Five Million Dollars (\$75,000,000) to One Hundred Fifty Million Dollars (\$150,000,000).

Revision 3 - Issued August 13, 2021

- 1) Update item 4 above to provide the option for use of a parent guarantee in place of insurance.