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**Commercial  
Space  
Transportation  
License**

License Number: LSO 02-007 (Rev 1)

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**VIRGINIA  
COMMERCIAL SPACE  
FLIGHT AUTHORITY**

is authorized, subject to the provisions of 51 USC Subtitle V, ch. 509, and the orders, rules, and regulations issued under it, to operate a launch site.

General. The licensee is authorized, as defined herein, to operate Launch Complex 0 (Launch Pad 0-A and Launch Pad 0-B) as a launch site at National Aeronautics and Space Administration, Goddard Space Flight Center, Wallops Flight Facility, Wallops Island, Virginia.

This license is granted subject to the terms, conditions, and limitations set forth in licensing order **A**, 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 On: December 18, 2002**

**Revision 1 Issued On: December 14, 2011**  
**Revision 1 Effective On: December 14, 2011**

  
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Manager, Licensing and Evaluation Division

License Number: LSO 02-007 (Rev 1)

**Revision History**

Original License - Issued December 18, 2002

Revision 1 - Issued December 14, 2011

- 1) Due to transfer of code, redesignated Authority to read:  
"51 USC, Subtitle V, Ch. 509"
  - 2) Replaced "Associate Administrator for" with "Office of"  
prior to all the name Commercial Space Transportation.
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OFFICE OF COMMERCIAL SPACE TRANSPORTATION

LICENSE ORDER REGARDING OPERATION OF A  
LAUNCH SITE

AUTHORIZED BY LICENSE NO. LSO 02-007  
ISSUED TO

VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY

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1. Authority: This Order is issued to Virginia Commercial Space Flight Authority (referred to as VCSFA or the licensee) under 51 U.S.C. Subtitle V, chapter 509, and the Commercial Space Transportation Licensing Regulations (Regulations), 14 C.F.R. Ch. III.
2. Purpose: This Order modifies License No. LSO 02-007, issued on December 18, 2002, by the Office of Commercial Space Transportation (AST) authorizing VCSFA to operate Launch Complex 0 (Launch Pad 0-A and Launch Pad 0-B), which is part of Mid-Atlantic Regional Spaceport (MARS), as a launch site at National Aeronautics and Space Administration, Goddard Space Flight Center, Wallops Flight Facility, Wallops Island, Virginia, and prescribes as conditions to License No. LSO 02-007, certain additional requirements applicable to the authorization.
3. Definitions: For purposes of License No. LSO 02-007 and any orders issued by AST pertaining to activities covered by License No. LSO 02-007:  
  
"Operation of a launch site" means the conduct of approved safety operations at a permanent site to support the launching of vehicles and payloads.
4. Authorization: VCSFA is authorized to operate a launch site at Launch Complex 0 (Launch Pad 0-A and Launch Pad 0-B):
  - (a) for government launches and licensed launches of small, and medium payload weight class (less than or equal to 11,100 lbs) and of orbital expendable launch vehicles,

in accordance with 14 C.F.R. § 420.19, on launch azimuths from 90 degrees east to 160 degrees southeast; and,

(b) as required by § 420.51, in accordance with the representations in VCSFA's application A-02-VSC-103-R2 as of the date of this Order, and any modifications to the license issued by the FAA under 14 C.F.R. § 420.47.

5. Government Launch Site Support Agreement(s): VCSFA shall enter into, and there shall be in full force and effect, an agreement (or agreements) with NASA GSFC WFF. This agreement must provide access to and use of United States Government launch property and launch services to support VCSFA's operation of a launch site. An agreement must be in effect prior to operation of MARS, and VCSFA shall comply with any requirements of any such agreement that may affect public safety and safety of property during operation of the launch site authorized by License No. LSO 02-007.

6. Public Safety Responsibility: VCSFA is responsible for ensuring the safe operation of a launch site at Launch Complex 0 (Launch Pad 0-A and Launch Pad 0-B) and for ensuring that public health and safety and safety of property are protected at all times during its licensed activities. VCSFA shall:

(a) operate in accordance with the requirements of 14 C.F.R. Ch. III, including, but not limited to, the provisions of 14 C.F.R. Ch. III, part 420, subpart D;

(b) comply with NASA, GSFC, and WFF specifications and requirements, policies and procedures, including but not limited to, Range Safety Manual, Safety Investigations and Reports, Disaster Preparedness Operations Plan, and Explosive Safety Site Plan;

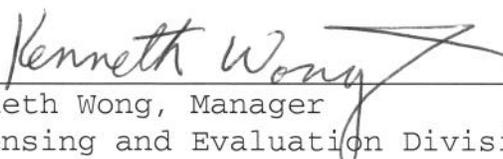
(c) comply with the safety requirements and procedures addressed in VCSFA's Launch Site Safety Operations Document, VCSFA OPDOC 001, current issue; and

(d) use NASA's lightning warning system to permit termination of operations and withdrawal of the public to public area distance prior to an electrical storm in

conjunction with lightning protection poles and their grounding system located at each corner of LP-0A.

7. License Term: The term of License No. LSO 02-007 (Rev 1) authorizing VCSFA to operate a launch site at Launch Complex 0 (Launch Pad 0-A and Launch Pad 0-B) is five (5) years from December 19, 2007, the effective date of its renewal.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

By:   
Kenneth Wong, Manager  
Licensing and Evaluation Division

Issued: December 14, 2011

Effective: December 14, 2011

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**Revision History:**

Original License Order - Issued December 18, 2002

Revision 1 - Issued December 14, 2007

- 1) In paragraph 2, changed "amends License No. LSO 02-007, issued concurrently" to "modifies License No. LSO 02-007, issued on December 18, 2002."
- 2) In paragraph 2, added the reference of Launch Complex 0 as part of Mid-Atlantic Regional Spaceport (MARS). Paragraphs 5 and 6 change to reflect change in facility name from Virginia Space Flight Center (VSFC) to MARS.
- 3) In paragraph 7, changed the term of the authorization from originating on the effective date of the original license to originating on the renewal date of December 19, 2007.

Revision 2 - Issued December 14, 2011

- 1) In paragraph 2, changed "Associate Administrator for" to "Office of".
- 2) In paragraph 4a, changed "8,400 lbs" to "11,100 lbs".
- 3) In paragraph 4b, changed "A-02-VSC-103" to "A-02-VSC-103-R2".
- 4) In paragraph 4c, delete "dated September 2002, for MARS which shall include, Safety Operating Plans for MARS Assembly and Launch Operations,

**License Order No. LSO 02-007A (Rev 2)**

Emergency Response Plans, and Operational Procedures for MARS" and replaced with "current issue".

- 5) In paragraph 6d, added "in conjunction with the lightning protection poles and their grounding system".
- 6) In paragraph 7, changed "LSO 02-007" to "LLS02-007(Rev 1)", and changed "the renewal" to "its renewal".
- 7) Redesignated License Order No. "LLO 01-007A (Rev 1)" to "LLO 01-007(Rev 2)".