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**Commercial  
Space  
Transportation  
License**

License Number: LLO 02-066 (Rev 1)

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**ENERGIA LOGISTICS  
LTD.**

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

General. The licensee is authorized to conduct launches of Zenit-3SL launch vehicles, on launch azimuths and transporting classes of payloads to orbital destinations as identified in license orders issued by the Federal Aviation Administration. The launch is authorized to take place from the Pacific Ocean at 0° Latitude and 154° West Longitude.

This license is granted subject to the terms, conditions, and limitations set forth in licensing orders A (Rev 2) and B (Rev 2), 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: August 02, 2002  
Revision 1 Issued On: June 21, 2011  
Effective On; June 21, 2011

*Kenneth Wong*

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Manager, Licensing and Evaluation  
Division

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

LAUNCH

AUTHORIZED BY LICENSE NO. LLO 02-066  
ISSUED TO

ENERGIA LOGISTICS LTD.

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1. Authority: This Order is issued to Energia Logistics Ltd. (referred to as Energia) under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. Ch. III.
  2. Purpose: This Order modifies License No. LLO 02-066 (the license) originally issued to Sea Launch Limited Partnership on August 2, 2002, by the Federal Aviation Administration's Office of Commercial Space Transportation (FAA), authorizing Energia to conduct launches; and prescribes as conditions to the license requirements applicable to those launches.
  3. Definitions: For purposes of the license and any orders issued by the FAA pertaining to activities covered by the license, the term "launch" shall mean flight of a Zenit-3SL launch vehicle commencing upon first stage ignition. A nominal flight ends upon Energia's last exercise of control over the Zenit-3SL launch vehicle, including the safing of Zenit-3SL launch vehicle stages or components that reach Earth orbit, following separation of the payload.
  4. Authorization: Energia is authorized to conduct the launch of a launch vehicle:
    - (a) Using a Zenit-3SL launch vehicle;
    - (b) From the Pacific Ocean at 0° Latitude and 154° West Longitude;
    - (c) On any launch azimuth from 82.6° to 97.4°, inclusive;
    - (d) Transporting telecommunications, remote sensing, observation, navigation, and scientific satellites to geosynchronous transfer orbit, as described in the application; and

- (e) Subject to the description of the launch vehicle, launch vehicle systems, and safety management program represented in the application as of the date of this Order, and subject to the terms of any amendments to the license application that the FAA approves in writing.
5. Reporting Requirements: Energia shall provide a written environmental monitoring report to the FAA, in accordance with the Sea Launch Environmental Monitoring and Protection Plan, no later than sixty (60) days following each launch conducted under the license.
6. License Term: The term of the license authorizing Energia to conduct launches is five (5) years from June 21, 2016.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

BY:

  
Kenneth Wong, Manager  
Licensing and Evaluation Division

Issued: June 17, 2016

Effective: June 21, 2016

**Revision History:**

Original License Order - Issued August 2, 2002

Revision 1 - Issued July 29, 2007

- 1) Eliminate paragraphs 5 through 7; 9 through 15; and 8(a) through 8(h) and retain 8(i) as 5; and renumber paragraph 16 as paragraph 6.
- 2) In paragraph 6, formerly paragraph 16, change the term of the authorization from originating on August 2, 2002, to originating on the renewal date of August 2, 2007.

Revision 2

- 1) Replace Sea Launch Limited Partnership with Energia Logistics Ltd. and Sea Launch with Energia.
- 2) Replace C.F.R. citation with the current citation.
- 3) In paragraph 3, remove "from the Pacific Ocean at 0° Latitude and 154° West Longitude, on launch azimuths, transporting classes of payloads

License Order No. LLO 02-066A (Rev 3)

to orbital destinations, as specified in the license" because it is redundant to paragraph 4.

- 4) In paragraph 6, changed the renewal date of August 2, 2007, to the effective date of this license order.

Revision 3

- 1) Changed paragraph 6 to reflect license term to be five years from June 21, 2016.
- 2) Changed Issued date from June 21, 2011 to June 17, 2016.
- 3) Changed Effective date from June 21, 2011 to June 21, 2016.

License Order No. LLO 02-066B (Rev 2)

OFFICE OF  
COMMERCIAL SPACE TRANSPORTATION  
LICENSE ORDER REGARDING

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

UNDER LICENSE NO LLO 02-066  
ISSUED TO

ENERGIA LOGISTICS LTD.

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1. Authority: This Order is issued to Energia Logistics Ltd. (referred to as Energia or the licensee) under 51 U.S.C. Subtitle V, chapter 509, and 14 C.F.R. Ch. III.
  2. Purpose: This Order modifies License No. LLO 02-066 (Rev 1) (the license) 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: Energia 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 Ten Million Dollars (\$10,000,000) for covered claims resulting from licensed launch activities.
  5. Government Property Insurance: The FAA will not require Energia to obtain U.S. Government property insurance under 14 C.F.R. § 440.9(d).

OFFICE OF COMMERCIAL SPACE TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

BY:   
Kenneth Wong, Manager  
Licensing and Evaluation Division

Issued: June 21, 2011

Effective: June 21, 2011

**Revision History:**

Original License Order - Issued August 2, 2002

Revision 1 - Issued July 29, 2007

- 1) Eliminate paragraphs 4, and 7 through 11, and renumber paragraph 5 as paragraph 4 and paragraph 6 as paragraph 5.

Revision 2

- 1) Replace Sea Launch Limited Partnership with Energia Logistics Ltd. and Sea Launch with Energia.
- 2) Replace C.F.R. citation with the current citation.
- 3) Editorial rewording of paragraph 5.