

License Order No. LLO 99-048A (Rev 2)

ASSOCIATE ADMINISTRATOR
FOR COMMERCIAL SPACE TRANSPORTATION
LICENSE ORDER REGARDING

COMMERCIAL SPACE LAUNCHES

AUTHORIZED BY LICENSE NO. LLO 99-048
ISSUED TO

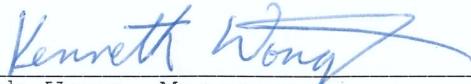
BOEING LAUNCH SERVICES

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1. Authority: This Order is issued to Boeing Launch Services (BLS), wholly-owned subsidiary of The Boeing Company, under 49 U.S.C. Subtitle IX, chapter 701, and 14 C.F.R. Ch. III.
 2. Purpose: This Order modifies License No. LLO 99-048 issued on December 21, 1999, renewed on December 28, 2004, and transferred to BLS on September 11, 2007, by the Associate Administrator for Commercial Space Transportation (Office), authorizing BLS to conduct commercial space launches; and prescribes as conditions to License No. LLO 99-048 certain requirements applicable to those launches.
 3. Definitions: For purposes of License No. LLO 99-048 and any orders issued by the Office pertaining to activities covered by License No. LLO 99-048:
 - (a) "Commercial space launches" shall mean (i) commercial space flights, and (ii) pre-flight ground operations, as defined in this section.
 - (b) "Commercial space flights" shall mean the flight of Delta II launch vehicles from Vandenberg Air Force Base (VAFB), on flight azimuths and transporting classes of payloads to orbital destinations as specified in License Order No. LLO 99-048B issued concurrently by the Office. A commercial space flight commences upon first-stage engine ignition of a Delta II launch vehicle. A nominal commercial space flight shall be deemed concluded upon safing of Delta II launch vehicle stages or components that reach earth orbit following separation of the payload.
 - (c) "Pre-flight ground operations" shall mean BLS's operations at VAFB associated with the conduct of commercial space flights, beginning with the arrival of the launch vehicle at VAFB.

4. License Term: The term of License No. LLO 99-048 authorizing BLS to conduct commercial space launches is five (5) years from January 3, 2010.

ASSOCIATE ADMINISTRATOR FOR COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By:



Kenneth Wong, Manager
Licensing and Safety Division

Issued: December 17, 2009
Effective: January 3, 2010

Revision History:

Original License Order - Issued December 21, 1999

Renewal Issued December 28, 2005

Revision 1 - Issued December 13, 2006

- 1) Replace McDonnell Douglas Corporation with Boeing Launch Services and MDC with BLS.
- 2) In paragraph 2, replace "concurrently" with "on December 21, 1999, and renewed on December 28, 2004."
- 3) Eliminate paragraphs 4 through 12, and renumber paragraph 13 as paragraph 4.
- 4) In paragraph 4, formerly paragraph 13, change term of the authorization from originating "from the effective date of this license" to "from January 3, 2005" incorporating the renewal for additional five year period introduced in License Order No. LLO 99-048F.

Revision 2 - Renewal issued December 17, 2009

- 5) In paragraph 2, replaced "amends" with "modifies"; moved "and" to be after "renewed on December 28, 2004," and inserted "transferred to BLS on September 11, 2007".
- 6) In paragraph 4, change term of the authorization from the effective date of the "January 3, 2005" to "January 3, 2010" incorporating the renewal for additional five year period beyond that originally introduced in License Order No. LLO 99-048F (now obsolete).