
A BILL FOR AN ACT

RELATING TO AEROSPACE DEVELOPMENT.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that Hawaii's diverse
2 natural resources, unique geographic terrain, first-class
3 technological infrastructure, and resident scientific and
4 engineering expertise make our island State an ideal location to
5 develop, grow, and sustain a wide variety of aerospace-related
6 activities. For nearly half a century, the State has supported
7 our national space efforts-beginning with astronaut training
8 programs in the late 1950s and the development of world-class
9 observatories in the 1960s. Over the past three decades, the
10 University of Hawaii, the United States military, and numerous
11 companies statewide have also engaged in a variety of nationally
12 funded pioneering programs in planetary geosciences, satellite
13 communications, remote sensing, environmental monitoring, and
14 meteorology.

15 This was illustrated in a February 4, 2007, article in the
16 Star-Bulletin entitled "UH to launch satellites". The
17 University of Hawaii small satellite program began in November



1 2001, and students have built several generations of small
2 satellites called CubeSats, about the size of a soda can. Their
3 first satellite, plus thirteen from other universities, was on a
4 Russian rocket that crashed after liftoff in July 2006. While
5 disappointing, students remain focused on the goal of putting
6 two satellites into orbit, with the first launch in 2009 and the
7 second in 2010. Currently, nearly two dozen students are
8 working on satellites ranging from those that can fit in the
9 palm of a hand to the size of a microwave. About one hundred
10 fifty students who worked on small satellites have graduated
11 from the University of Hawaii, and most found jobs elsewhere.
12 Building new initiatives in Hawaii will bring some of these
13 students home and allow them to use their education in
14 small-satellite technology in Hawaii.

15 The purpose of this Act is to position Hawaii to be
16 nationally and globally competitive and recognized in aerospace
17 development.

18 SECTION 2. Chapter 201, Hawaii Revised Statutes, is
19 amended by amending part V to read as follows:

20 "[+]PART V.[+] OFFICE OF [~~SPACE-INDUSTRY~~] AEROSPACE DEVELOPMENT

21 [+]§201-71[+] Definitions. As used in this part:



1 "Director" means the director of the office of [~~space~~
2 ~~industry~~] aerospace development.

3 "Office" means the office of [~~space-industry~~] aerospace
4 development.

5 **§201-72 Office of [~~space-industry~~] aerospace development;**
6 **establishment.** (a) There is established an office of [~~space~~
7 ~~industry~~] aerospace development in the department of business,
8 economic development, and tourism.

9 (b) The director shall have experience, knowledge, and
10 expertise in space-related activities and development. The
11 director shall be nominated and appointed by the governor
12 without regard to chapter 76.

13 (c) The director shall hire staff necessary to carry out
14 the purposes of this part.

15 (d) The director and employees of the office shall be
16 included in any benefit program generally applicable to the
17 officers and employees of the State.

18 **[+]~~§~~201-73 [+]** **Powers and duties of director.** In addition
19 to any other powers and duties provided in this part, the
20 director shall:

21 (1) Oversee, supervise, and direct the planning,
22 evaluation, and coordination of space-related



- 1 activities and identify and promote opportunities for
2 expanding and diversifying aerospace-related
3 industries in the State[+], which may include a
4 Pacific international center for space exploration
5 systems to support space exploration and settlement;
- 6 (2) Initiate discussions for private and international
7 involvement in space-related activities in the State;
- 8 (3) Assist the University of Hawaii, local companies,
9 research institutions, and other interested
10 organizations in establishing partnerships with
11 corporate, government, and university entities that
12 can promote and enhance the State's aerospace
13 industry;
- 14 (4) Leverage aerospace and related technological
15 capabilities in the State's academic, public, and
16 private sectors to enhance the State's ability to
17 procure both federal and private research and
18 development grants and to increase the State's
19 competitiveness in national and global aerospace
20 markets;
- 21 (5) Promote innovative education and workforce development
22 programs that will enhance public awareness of the



- 1 State's aerospace potential and enable residents to
2 pursue employment in Hawaii's aerospace industry;
- 3 (6) Monitor national and global trends in the aerospace
4 industry and recommend programs and policies that can
5 support aerospace industry development statewide;
- 6 ~~[(3)]~~ (7) Review the effectiveness of present publications,
7 pamphlets, and other sources of information about
8 Hawaii's space-related activities produced and
9 distributed by the State;
- 10 ~~[(4) Have the office serve]~~ (8) Serve as a clearinghouse
11 for information on Hawaii's space-related activities,
12 to include but not be limited to, those of the
13 University of Hawaii and federal agencies located in
14 Hawaii;
- 15 ~~[(5) Develop a business plan for a commercial space~~
16 ~~facility and for pursuing appropriate business~~
17 ~~partners;~~
- 18 ~~(6)]~~ (9) Target existing businesses ~~[which]~~ that can
19 provide products or services of importance to the
20 space industry to support the expansion of ~~[such]~~
21 these businesses in Hawaii;



1 ~~[(7)]~~ (10) Increase contact and maintain liaison with the
2 National Aeronautics and Space Administration and
3 other federal agencies and facilities;

4 ~~[(8)]~~ (11) Institute procedures by which citizen input on
5 proposed space facilities development shall be invited
6 at the earliest possible time in the development
7 process;

8 ~~[(9)]~~ ~~Develop, in consultation with the office of Hawaiian~~
9 ~~affairs and other Hawaiian organizations, appropriate~~
10 ~~mechanisms for the consideration and protection of~~
11 ~~Hawaiian cultural values and resources, religious~~
12 ~~rights, and traditional and customary uses which may~~
13 ~~be affected by space-related activities;~~

14 ~~[(10)]~~ (12) Adopt, amend, and repeal rules pursuant to
15 chapter 91 necessary to carry out this part;

16 ~~[(11)]~~ (13) Contract for ~~[such]~~ services as may be necessary
17 for the purposes of this part; and

18 ~~[(12)]~~ (14) Do all other things necessary or proper to carry
19 out the purposes of this part.

20 ~~[[§201-74] Communities near space facilities, residents,~~

21 ~~The director shall take steps to ensure that residents of~~

22 ~~communities surrounding space facilities are provided education~~



1 Establishment and operations of the Pacific
 2 international space center for exploration
 3 systems \$1,000,000

4 2. Fiscal year 2008-2009:

5 Operations of the office of aerospace
 6 development \$ 173,000

7 Establishment and operations of the Pacific
 8 international space center for exploration
 9 systems \$1,000,000

10 The sums appropriated shall be expended by the department
 11 of business, economic development, and tourism for the purposes
 12 of this Act.

13 SECTION 4. Statutory material to be repealed is bracketed
 14 and stricken. New statutory material is underscored.

15 SECTION 5. This Act shall take effect upon its approval,
 16 except that section 3 shall take effect on July 1, 2007.



Report Title:

Office of Aerospace Development

Description:

Creates the office of aerospace development within the department of business, economic development, and tourism. Appropriates \$1,173,000 in FY 2007-2008 and \$1,173,000 in FY 2008-2009. (SD1)

