
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
12 nationally-funded pioneering programs in planetary geosciences,
13 satellite communications, remote sensing, environmental
14 monitoring, and meteorology.

15 This was illustrated in a February 4, 2007, article in the
16 *Honolulu 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 this outcome was disappointing, students remain focused on the
 6 goal of putting two satellites into orbit, with the first launch
 7 in 2009 and the second in 2010. Currently, nearly two dozen
 8 students are working on satellites ranging from those that can
 9 fit in the palm of a hand to the size of a microwave oven.
 10 About one hundred fifty students who worked on small satellites
 11 have graduated from the University of Hawaii, and most found
 12 jobs elsewhere. Building new initiatives in Hawaii will bring
 13 some of these students home and allow them to use their
 14 education in 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 as follows:

20 1. By amending the title of part V to read:

21 "[+]PART V.[+] OFFICE OF [~~SPACE INDUSTRY~~] AEROSPACE
 22 DEVELOPMENT"



1 2. By amending section 201-71 to read:

2 "[~~f~~]**S201-71**[~~f~~] **Definitions.** As used in this part:

3 "Director" means the director of the office of [~~space~~
4 ~~industry.~~] aerospace development.

5 "Office" means the office of [~~space-industry.~~] aerospace
6 development."

7 3. By amending the title and subsection (a) of section
8 201-72 to read:

9 "**S201-72 Office of [~~space-industry,~~] aerospace**
10 **development; establishment.** (a) There is established an office
11 of [~~space-industry~~] aerospace development in the department of
12 business, economic development, and tourism."

13 4. By amending section 201-73 to read:

14 "[~~f~~]**S201-73**[~~f~~] **Powers and duties of director.** In addition
15 to any other powers and duties provided in this part, the
16 director shall:

17 (1) Oversee, supervise, and direct the planning,
18 evaluation, and coordination of space-related
19 activities and identify and promote opportunities for
20 expanding and diversifying aerospace-related
21 industries in the [~~State,~~] state, which may include a



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



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



1 ~~[-8-]~~ (11) Institute procedures by which citizen input on
2 proposed space facilities development shall be invited
3 at the earliest possible time in the development
4 process;

5 ~~[-9-] Develop, in consultation with the office of Hawaiian~~
6 ~~affairs and other Hawaiian organizations, appropriate~~
7 ~~mechanisms for the consideration and protection of~~
8 ~~Hawaiian cultural values and resources, religious~~
9 ~~rights, and traditional and customary uses which may~~
10 ~~be affected by space related activities,~~

11 ~~[-10-]~~ (12) Adopt, amend, and repeal rules pursuant to
12 chapter 91 necessary to carry out this part;

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

15 ~~[-12-]~~ (14) Do all other things necessary or proper to carry
16 out the purposes of this part."

17 5. By repealing section 201-74.

18 [~~"[§201-74] Communities near space facilities, residents.~~

19 ~~The director shall take steps to ensure that residents of~~
20 ~~communities surrounding space facilities are provided education~~
21 ~~and training pertaining to jobs created by space related~~
22 ~~activities. The director shall ensure that space industry~~



1 ~~companies in the State are committed to hiring community~~
2 ~~residents for jobs for which they hold appropriate~~
3 ~~qualifications and providing goods and services for the~~
4 ~~enhancement of community life."]~~

5 SECTION 3. There is appropriated out of the general
6 revenues of the State of Hawaii the following sums, or so much
7 thereof as may be necessary for fiscal year 2007-2008, and the
8 same sum or so much thereof as may be necessary for fiscal year
9 2008-2009, for the office of aerospace development to carry out
10 its duties to identify and promote opportunities for expanding
11 and diversifying aerospace-related industries in the state as
12 follows:

- 13 1. Fiscal year 2007-2008:
- 14 Operations of the office of aerospace
- 15 development \$
- 16 Establishment and operations of the Pacific
- 17 international space center for exploration
- 18 systems \$

- 19 2. Fiscal year 2008-2009:
- 20 Operations of the office of aerospace
- 21 development \$



Report Title:

Office of Aerospace Development

Description:

Renames the Office of Space Industry, the Office of Aerospace Development, and adds additional duties relating to identifying and promoting opportunities for expanding and diversifying aerospace-related industries in the state. Appropriates funds. (SB907 HD1)

