

ACT 149

S.B. NO. 907

A Bill for an Act Relating to Aerospace Development.

Be It Enacted by the Legislature of the State of Hawaii:

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

These activities were illustrated in a February 4, 2007, article in the *Honolulu Star-Bulletin* entitled "UH to launch satellites." The University of Hawaii small satellite program began in November 2001, and students have built several generations of small satellites called CubeSats, about the size of a soda can. Their first satellite, plus thirteen from other universities, was on a Russian rocket that crashed after liftoff in July 2006. While this outcome was disappointing, students remain focused on the goal of putting two satellites into orbit, with the first launch in 2009 and the second in 2010. Currently, nearly two dozen students are working on satellites ranging from those that can fit in the palm of a hand to the size of a microwave oven. About one hundred fifty students who worked on small satellites have graduated from the University of Hawaii, and most found jobs elsewhere. Building new initiatives in Hawaii will bring some of these students home and allow them to use their education in small-satellite technology in Hawaii.

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

SECTION 2. Chapter 201, Hawaii Revised Statutes, is amended as follows:

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

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

2. By amending section 201-71 to read:

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

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

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

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

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

4. By amending section 201-73 to read:

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

- (1) Oversee, supervise, and direct the planning, evaluation, and coordination of space-related activities and identify and promote opportunities for expanding and diversifying aerospace-related industries in the [State;] state, which may include a Pacific international center for space exploration systems to support space exploration and settlement;
- (2) Initiate discussions for private and international involvement in space-related activities in the [State;] state;
- (3) Assist the University of Hawaii, local companies, research institutions, and other interested organizations in establishing partnerships with corporate, government, and university entities that can promote and enhance the state's aerospace industry;
- (4) Leverage aerospace and related technological capabilities in the state's academic, public, and private sectors to enhance the State's ability to procure both federal and private research and development grants and to increase the state's competitiveness in national and global aerospace markets;
- (5) Promote innovative education and workforce development programs that will enhance public awareness of the state's aerospace potential and enable residents to pursue employment in Hawaii's aerospace industry;
- (6) Monitor national and global trends in the aerospace industry and recommend programs and policies that can support aerospace industry development statewide;
- ~~(3)~~ (7) Review the effectiveness of present publications, pamphlets, and other sources of information about Hawaii's space-related activities produced and distributed by the State;
- ~~(4)~~ Have the office serve (8) Serve as a clearinghouse for information on Hawaii's space-related activities[;] to include but not be limited to[;] those of the University of Hawaii and federal agencies located in Hawaii;
- ~~(5)~~ Develop a business plan for a commercial space facility and for pursuing appropriate business partners;
- (6) (9) Target existing businesses [which] that can provide products or services of importance to the space industry to support the expansion of [such] these businesses in Hawaii;
- (7) (10) Increase contact and maintain liaison with the National Aeronautics and Space Administration and other federal agencies and facilities;
- (8) (11) Institute procedures by which citizen input on proposed space facilities development shall be invited at the earliest possible time in the development process;
- (9) Develop, in consultation with the office of Hawaiian affairs and other Hawaiian organizations, appropriate mechanisms for the consideration and protection of Hawaiian cultural values and resources, religious rights, and traditional and customary uses which may be affected by space-related activities;

- (10)] (12) Adopt, amend, and repeal rules pursuant to chapter 91 necessary to carry out this part;
- [(11)] (13) Contract for [such] services as may be necessary for the purposes of this part; and
- [(12)] (14) Do all other things necessary or proper to carry out the purposes of this part.”

5. By repealing section 201-74.

~~[[“§201-74] Communities near space facilities; residents. The director shall take steps to ensure that residents of communities surrounding space facilities are provided education and training pertaining to jobs created by space-related activities. The director shall ensure that space industry companies in the State are committed to hiring community residents for jobs for which they hold appropriate qualifications and providing goods and services for the enhancement of community life.”]]~~

SECTION 3. There is appropriated out of the general revenues of the State of Hawaii the sum of \$500,000 or so much thereof as may be necessary for fiscal year 2007-2008 for the office of aerospace development to carry out its duties to identify and promote opportunities for expanding and diversifying aerospace-related industries in the State as follows:

1. Support for the 2007 Pacific international center for space exploration systems workshop and the Japanese – United States Science, Technology and Space Program Symposium \$60,000
2. Support for Hawaii’s representation at national and global aerospace conferences and exhibitions \$40,000
3. Support the development of the Pacific international center for space exploration systems, if the center is established under section 201-73(1), Hawaii Revised Statutes \$400,000

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

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

SECTION 5. This Act shall take effect on July 1, 2007.

(Approved June 7, 2007.)