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# 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 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 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 oven. About one  
10 hundred fifty students who worked on small satellites have  
11 graduated from the University of Hawaii, and most found jobs  
12 elsewhere. Building new initiatives in Hawaii will bring some  
13 of these 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               ~~[[S201-74] 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 \$

4 2. Fiscal year 2008-2009:

5 Operations of the office of aerospace  
 6 development \$

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

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 funds. (SD2)

