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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. Pursuant to House Concurrent Resolution No.  
2 123, Session Laws of Hawaii 2010, the legislature finds that the  
3 aerospace industry presents a timely opportunity for strategic  
4 investment in a growth industry that can realize Hawaii's  
5 potential as a major contributor to and beneficiary of global  
6 space enterprise. Our State's unique mid-Pacific location,  
7 Moon- and Mars-like terrain, diverse natural resources, first  
8 class technological infrastructure, resident scientific and  
9 engineering expertise, and long-standing ties with space-faring  
10 nations throughout Asia and the Pacific can be leveraged to  
11 develop, grow, and sustain a wide variety of aerospace  
12 activities.

13           For nearly half a century, Hawaii has played a pivotal role  
14 in the development of our nation's space program, beginning with  
15 astronaut training for the Apollo lunar missions and the  
16 development of world-class observatories in the 1960's. Since  
17 then, Hawaii has hosted a broad range of nationally-funded  
18 programs in planetary geosciences, satellite communications,



1 space-based remote sensing and environmental monitoring, deep-  
2 space surveillance, and other aerospace-related activities  
3 sponsored by the University of Hawaii, the United States  
4 military, and numerous private interests.

5 Hawaii remains an important player in our nation's space  
6 efforts through diverse programs throughout the State including  
7 world-class astronomy facilities at the Mauna Kea Science  
8 Reserve, deep space surveillance at the Air Force Maui Optical &  
9 Supercomputing Site, pioneering space research at the Hawaii  
10 Institute of Geophysics & Planetology on Oahu, and multi-  
11 environment testing and evaluation of advanced aerospace  
12 technologies at the Pacific Missile Range Facility on Kauai.  
13 Enabled by these national and multinational efforts, local  
14 aerospace companies have grown up in Hawaii and have developed  
15 technical talent and state-of-the-art infrastructure to support  
16 a wide range of military and civilian aerospace applications.  
17 Additionally, major national aerospace companies already  
18 established in the State, are poised to expand their operations  
19 in Hawaii as a means of creating a bridge to larger Asian and  
20 Pacific markets. Hawaii's unique geographic characteristics and  
21 human and infrastructure assets place the State in a singular  
22 position to take advantage of a growing recognition of the



1 importance of multinational collaboration in the aerospace  
2 industry, especially for human and robotic missions to space.  
3 In April 2010, Hawaii entered into the Space Act Agreement with  
4 the National Aeronautics and Space Administration to provide for  
5 expanded and diversified aerospace activities statewide with  
6 particular emphasis on initiatives that will leverage Hawaii's  
7 natural resources and existing relationships to seed  
8 multinational collaboration on programs that will bring  
9 significant scientific, educational, and commercial benefits to  
10 the State and the nation.

11 The legislature finds that the aerospace industry is  
12 demonstrably a dynamic growth industry in which strategic  
13 investment will produce returns to alleviate the State's  
14 economic malaise. Effective aerospace development will attract  
15 substantial federal and private investment; support sustainable,  
16 high-paying employment opportunities for local residents;  
17 provide opportunities for innovative education and inspiration  
18 of students in critical science, technology, engineering, and  
19 mathematics fields; and enable larger and more diverse aerospace  
20 initiatives in both the public and private sectors. The  
21 legislature finds that, once developed in Hawaii, the aerospace  
22 industry will remain rooted in the State because of its



1 dependence on Hawaii's natural and human resources. Therefore,  
2 aerospace development is a sustainable project that will reward  
3 relatively modest up-front investment with increasing long-term  
4 scientific, educational, and economic returns.

5 In recognition of the importance of aerospace development  
6 to Hawaii's future, the legislature created the office of  
7 aerospace development within the department of business,  
8 economic development, and tourism through Act 355, Session Laws  
9 of Hawaii 1988, to "identify and promote opportunities for  
10 expanding and diversifying aerospace-related industries."  
11 Through its constituent and partner agencies, including the  
12 Pacific International Center for Space Exploration Systems,  
13 Pacific International Space Alliance, and others, the office of  
14 aerospace development conducts outreach, management, and  
15 scientific activities to fulfill its mission of enhancing  
16 Hawaii's ability to both contribute to and benefit from the  
17 global space enterprise.

18 The purpose of this Act is to promote the continuing  
19 development of the aerospace industry in Hawaii by providing the  
20 office of aerospace development with sufficient funding and  
21 staff support to effectively carry out its statutory duties and  
22 to authorize further operations of the starlight reserve



1 advisory working committee to enable the conservation of  
2 Hawaii's natural night-sky resource.

3 SECTION 2. Act 161, Session Laws of Hawaii 2009,  
4 section 6, is amended by amending subsection (b) to read as  
5 follows:

6 "(b) The advisory committee created in this part shall be  
7 terminated on June 30, [~~2011.~~] 2012."

8 SECTION 3. There is appropriated out of the general  
9 revenues of the State of Hawaii the sum of \$745,000 or so much  
10 thereof as may be necessary for fiscal year 2011-2012 and the  
11 same sum or so much thereof as may be necessary for fiscal year  
12 2012-2013 for the office of aerospace development to carry out  
13 its duties to identify and promote opportunities for expanding  
14 and diversifying aerospace-related industries in the State as  
15 follows:

- 16 (1) Support for the aerospace advisory  
17 committee and starlight reserve  
18 advisory working committee \$5,000
- 19 (2) Support for the Pacific international  
20 space alliance \$70,000



- 1           (3) Support for program development and  
2            outreach to the federal and foreign  
3           governments and the aerospace industry       \$15,000
- 4           (4) Support for public education and  
5           community outreach                               \$15,000
- 6           (5) Support for the Pacific international  
7           space center for exploration systems       \$400,000
- 8           (6) Salary for a full-time administrative  
9           assistant for the office of aerospace  
10          development                                       \$40,000
- 11          (7) Support for installation of the  
12          National Aeronautics and Space  
13          Administration's habitat demonstration  
14          unit   \$75,000
- 15          (8) Matching funds to be provided to the  
16          university of Hawaii to qualify for a  
17          grant from the Experimental Program to  
18          Stimulate Competitive Research of the  
19          National Science Foundation                   \$125,000
- 20          The sums appropriated shall be expended by the department  
21          of business, economic development, and tourism for the purposes  
22          of this Act.



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

3           SECTION 5. This Act shall take effect on July 1, 2011;  
4 provided that section 2 shall take effect on June 29, 2011.

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**Report Title:**

Aerospace Industry Development; Appropriation

**Description:**

Extends the sunset date of the starlight reserve advisory committee by one year; makes appropriations to the office of aerospace development of the department of business, economic development, and tourism. (SD1)

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