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# A BILL FOR AN ACT

RELATING TO UNMANNED AERIAL SYSTEMS TEST SITES.

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

1       SECTION 1. The legislature finds that there is a national  
2       need to safely integrate unmanned aerial systems into the  
3       national air space. The integration of unmanned aerial systems  
4       flights into the national air space will generate commercial  
5       potential of this technology, estimated to be worth more than  
6       \$13,600,000,000 during the first three years of integration and  
7       more than \$82,000,000,000 between 2015 and 2025, and create  
8       approximately 103,776 new jobs by 2025.

9       Hawaii offers many unique qualities to support unmanned  
10      aerial systems operations including: expansive over-water areas  
11      unencumbered by other aviation uses; proximity to the United  
12      States Pacific Command, which is projected to be a significant  
13      user of future unmanned aerial systems; opportunities for joint  
14      operations with Kauai's Pacific missile range facility; and  
15      opportunities for long-range point-to-point tests with partner  
16      ranges in Alaska and Oregon. Hawaii's proposed test ranges link  
17      to military and restricted areas used for current unmanned  
18      aerial systems operations. These sites include the Pohakuloa



1 training area on the island of Hawaii, Oahu's Bradshaw and  
2 Wheeler Army airfields, and Kauai's Pacific missile range  
3 facility. Test points within the ranges will be used to support  
4 shore-and ship-based development, testing and certification of  
5 new unmanned aerial systems, training and crew certification of  
6 operational unmanned aerial systems, and development of expanded  
7 and joint capabilities involving existing communications systems  
8 and operations tactics using unmanned aerial systems. The  
9 proposed Hawaii ranges have provided an important focus for the  
10 development of scientific applications of unmanned aerial  
11 systems, including numerous test flights.

12 The legislature additionally finds existing and potential  
13 civilian uses of unmanned aerial systems are wide-ranging,  
14 including emergency search and rescue operations; wildfire  
15 detection and management; fisheries management; agricultural  
16 monitoring; reef health surveys; hazardous spills monitoring;  
17 dam and reservoir overflow detection; tsunami damage surveys and  
18 assessment; algal bloom detection and mapping; air quality  
19 monitoring; motor vehicle traffic management; lava flow  
20 monitoring; aerial photography for mapping; disaster management  
21 and damage assessment; power line monitoring; flood and  
22 pollution control; land use surveys; watershed management;



1 wildlife tracking; geographical, geological, and archaeological  
2 surveys; atmospheric monitoring for commercial airline  
3 turbulence avoidance; and light detection and ranging mapping of  
4 coastal topography to detect beach erosion. In developing these  
5 applications, innovative research, business, and education  
6 opportunities will emerge, including the development of  
7 miniaturized, high performance remote sensing instruments;  
8 unmanned aerial systems tracking systems, including command and  
9 control hardware and software; training courses and  
10 certification programs for unmanned aerial systems operators;  
11 and education programs for potential users of unmanned aerial  
12 systems technologies.

13 In 2012, the United States Congress directed the Federal  
14 Aviation Administration to establish unmanned aerial systems  
15 research programs at six national test sites for the development  
16 of unmanned aerial systems operating standards and regulations.  
17 Hawaii, in partnership with Alaska and Oregon, submitted a tri-  
18 state proposal to establish the Pan-Pacific Unmanned Aerial  
19 Systems Test Range Complex and was designated by the Federal  
20 Aviation Administration as one of the six national test site  
21 operators, providing the tri-state team six months to organize  
22 and implement the Pan-Pacific Unmanned Aerial Systems Test Range



1 Complex. The University of Alaska has established a board of  
2 directors to support performance of the management team and is  
3 establishing a Pan-Pacific Unmanned Aerial Systems Test Range  
4 Complex management team, to include a chief operating officer  
5 from all three states.

6 The purpose of this Act is to establish a Hawaii unmanned  
7 aerial systems test site chief operating officer position to  
8 serve on the Pan-Pacific Unmanned Aerial Systems Test Range  
9 Complex management team, establish a Hawaii unmanned aerial  
10 systems test site advisory board that will formulate an  
11 implementation plan and oversee test site development in the  
12 State, and appropriate funds for personnel and procurement costs  
13 associated with establishing the Hawaii unmanned aerial systems  
14 test site.

15 SECTION 2. Chapter 201, Hawaii Revised Statutes, is  
16 amended by adding a new section to part V to be appropriately  
17 designated and to read as follows:

18 "§201- Hawaii unmanned aerial systems test site advisory  
19 board; established. (a) There is established a Hawaii unmanned  
20 aerial systems test site advisory board, as a subcommittee of  
21 the Hawaii aerospace advisory committee, to oversee the planning  
22 and operation of the Hawaii unmanned aerial systems test site.



1        (b) The board shall be appointed by the members of the  
2 Hawaii aerospace advisory committee and be composed of five  
3 members representing the following:

4        (1) The department of defense;

5        (2) The department of transportation;

6        (3) The department of business, economic development, and  
7 tourism;

8        (4) The University of Hawaii; and

9        (5) The Hawaii business community.

10       Each board member shall serve for a term of four years;  
11 provided that the initial terms shall be staggered, as  
12 determined by the Hawaii aerospace advisory committee.

13       '(c) Members of the board shall not receive compensation  
14 for their services but shall be reimbursed for necessary  
15 expenses, including travel expenses, incurred in the performance  
16 of their duties under this section."

17       SECTION 3. Chapter 304A, Hawaii Revised Statutes, is  
18 amended by adding a new section to be appropriately designated  
19 and to read as follows:

20       "§304A- Hawaii unmanned aerial systems test site chief  
21 operating officer. There is established within the University  
22 of Hawaii the position of chief operating officer who shall



1 manage the operations of Hawaii's unmanned aerial systems test  
2 site. The chief operating officer shall:

3 (1) Monitor, oversee, and recommend operations of unmanned  
4 aerial systems test site activities;

5 (2) Facilitate opportunities for public and private use of  
6 unmanned aerial systems test site facilities;

7 (3) Assist unmanned aerial systems test ranges;

8 (4) Leverage aerospace and related technological  
9 capabilities in the State's academic, public, and  
10 private sectors to support testing and evaluation at  
11 Hawaii's unmanned aerial systems test ranges;

12 (5) Promote innovative education and workforce development  
13 programs to enhance public awareness of the benefits  
14 and opportunities that unmanned aerial systems  
15 technologies and applications can bring to the State;

16 (6) Monitor national and global trends in unmanned aerial  
17 systems development and testing, and recommend  
18 policies and programs to advance unmanned aerial  
19 systems testing in Hawaii;

20 (7) Establish and maintain a public website with updated  
21 information on the program and provide information on



1 the Hawaii unmanned aerial systems test site  
2 initiative;

3 (8) Contract for services and implement agreements,  
4 subject to chapter 103D, as may be necessary to  
5 conduct operations at Hawaii's unmanned aerial systems  
6 test ranges;

7 (9) Serve as Hawaii's representative on the Pan-Pacific  
8 Unmanned Aerial Systems Test Range Complex management  
9 team;

10 (10) Participate as an ex officio member of and report to  
11 the Hawaii unmanned aerial systems test site advisory  
12 board; and

13 (11) Submit an annual report no later than twenty days  
14 prior to the convening of each regular session, which  
15 shall include the status of work, expenditures, and  
16 trends regarding Hawaii's unmanned aerial systems test  
17 site.

18 The chief operating officer shall be subject to chapter 84  
19 and may employ on a full-time basis one administrative assistant  
20 for Hawaii's unmanned aerial systems test site operations and  
21 activities."



1       SECTION 4. Section 84-17, Hawaii Revised Statutes, is  
2 amended by amending subsection (c) to read as follows:

3       "(c) The following persons shall file annually with the  
4 state ethics commission a disclosure of financial interests:

5       (1) The governor, the lieutenant governor, the members of  
6 the legislature, and delegates to the constitutional  
7 convention; provided that delegates to the  
8 constitutional convention shall only be required to  
9 file initial disclosures;

10       (2) The directors and their deputies, the division chiefs,  
11 the executive directors and the executive secretaries  
12 and their deputies, the purchasing agents and the  
13 fiscal officers, regardless of the titles by which the  
14 foregoing persons are designated, of every state  
15 agency and department;

16       (3) The permanent employees of the legislature and its  
17 service agencies, other than persons employed in  
18 clerical, secretarial, or similar positions;

19       (4) The administrative director of the State, and the  
20 assistants in the office of the governor and the  
21 lieutenant governor, other than persons employed in  
22 clerical, secretarial, or similar positions;





- 1       (5)   The hearings officers of every state agency and  
2           department;
- 3       (6)   The president, the vice presidents, assistant vice  
4           presidents, the chancellors, [and] the provosts, and  
5           the Hawaii unmanned aerial systems test site chief  
6           operating officer of the University of Hawaii and its  
7           community colleges;
- 8       (7)   The superintendent, the deputy superintendent, the  
9           assistant superintendents, the complex area  
10          superintendents, the state librarian, and the deputy  
11          state librarian of the department of education;
- 12      (8)   The administrative director and the deputy director of  
13          the courts;
- 14      (9)   The members of every state board or commission whose  
15          original terms of office are for periods exceeding one  
16          year and whose functions are not solely advisory;
- 17      (10)  Candidates for state elective offices, including  
18          candidates for election to the constitutional  
19          convention, provided that candidates shall only be  
20          required to file initial disclosures; and
- 21      (11)  The administrator and assistant administrator of the  
22          office of Hawaiian affairs."



1       SECTION 5. There is appropriated out of the general  
2 revenues of the State of Hawaii the sum of \$           or so much  
3 thereof as may be necessary for fiscal year 2014-2015 for the  
4 purpose of staffing and operating Hawaii's unmanned aerial  
5 systems test site activities.

6       The sum appropriated shall be expended by the University of  
7 Hawaii for the purposes of this Act.

8       SECTION 6. Statutory material to be repealed is bracketed  
9 and stricken. New statutory material is underscored.

10       SECTION 7. This Act shall take effect on July 1, 2050.



**Report Title:**

Public Safety; Unmanned Aerial Systems; Test Site; Appropriation

**Description:**

Establishes the Hawaii unmanned aerial systems test site chief operating officer position to, among other things, serve on the Pan-Pacific Unmanned Aerial Systems Test Range Complex management team. Establishes an advisory board to oversee and manage unmanned aerial systems test site operations. Appropriates funds to staff and operate Hawaii's unmanned aerial systems test site activities. Effective July 1, 2050. (SB3053 HD1)

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

