

MAR 07 2017

SENATE RESOLUTION

REQUESTING THE OFFICE OF AEROSPACE DEVELOPMENT TO ESTABLISH THE
MULTINATIONAL LUNAR ARCHITECTURE ALLIANCE.

1 WHEREAS, Hawaii's strategic, mid-Pacific, near-equatorial
2 location; Moon and Mars-like terrain; resident expertise
3 engaging multiple aerospace-related technologies; and long-
4 standing ties with space-faring nations worldwide, afford
5 strategic assets and capabilities that enable the State to
6 engage as a major contributor and beneficiary of the global
7 space enterprise; and

8
9 WHEREAS, for the past half century, Hawaii has played a
10 seminal role in developing and contributing to national space
11 programs; and

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13 WHEREAS, new opportunities are forthcoming in the space
14 industry that are ideally suited for the State which hold
15 substantial scientific, educational, and commercial promise for
16 Hawaii residents; and

17
18 WHEREAS, an expanded and diversified space economy would
19 enrich terrestrial civilizations, help preserve the Earth's
20 fragile environment, and ultimately enable sustainable human
21 exploration on Mars and throughout the solar system; and

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23 WHEREAS, sustainable space settlement will require advances
24 in key technologies such as life support systems,
25 telecommunications, power generation, and food production; and
26 terrestrial-based testing and evaluation of these technologies
27 will play an indispensable role in their long-term development
28 and implementation; and

29
30 WHEREAS, Hawaii County's Moon-like terrain affords an ideal
31 environment for multinational teams to develop, test, and
32 validate new space technologies; and would enable participation
33 opportunities for local scientists, engineers, entrepreneurs,
34 and students; now, therefore,



S.R. NO. 28

1 BE IT RESOLVED by the Senate of the Twenty-ninth
2 Legislature of the State of Hawaii, Regular Session of 2017,
3 that the Office of Aerospace Development within the Department
4 of Business, Economic Development, and Tourism is requested to
5 establish and administer the Multinational Lunar Architecture
6 Alliance (Alliance) to guide the development and implementation
7 of prototype lunar architecture in the County of Hawaii; and
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9 BE IT FURTHER RESOLVED that the Alliance be compromised of
10 representatives from:

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- 12 (1) Hawaii-based organizations, including but not limited
13 to the Office of Aerospace Development, the Pacific
14 International Space Center for Exploration Systems,
15 and the Hawaii Space Exploration Analog and Simulation
16 program;
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 - 18 (2) The National Aeronautics and Space Administration,
19 including but not limited to the Space Portal at the
20 National Aeronautics and Space Administration Ames
21 Research Center and the Exploration Integration and
22 Science Office at the Johnson Space Center;
 - 23
 - 24 (3) Other appropriate federal agencies, including but not
25 limited to the Federal Aviation Administration, United
26 States Pacific Command, and United States Army Pacific
27 Command;
 - 28
 - 29 (4) Other national space agencies;
 - 30
 - 31 (5) The Lunar Exploration and Analysis Group;
 - 32
 - 33 (6) The Universities Space Research Association, including
34 the Lunar and Planetary Institute;
 - 35
 - 36 (7) Major corporations representing aerospace, information
37 technology, renewable energy, robotics, manufacturing,
38 and other appropriate industrial sectors;
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 - 40 (8) National space advocacy organizations, including but
41 not limited to the National Space Society, Lunar



1 Explorers Society, Space Frontiers Foundation, and
2 American Astronautical Society;

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4 (9) International space agencies and organizations,
5 including but not limited to the International Lunar
6 Exploration Working Group, International Space
7 Exploration Coordination Group, and Committee on Space
8 Research; and
9

10 (10) The United Nations Office for Outer Space Affairs; and
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12 BE IT FURTHER RESOLVED that the Alliance hold its first
13 organizational teleconference, coordinated by the Office of
14 Aerospace Development, by August 1, 2017; and
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16 BE IT FURTHER RESOLVED that working in collaboration with
17 the Office of Aerospace Development, the Alliance develop an
18 agenda and invitational list for staging an international lunar
19 development summit in the County of Hawaii in October 2017; and
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21 BE IT FURTHER RESOLVED that the October 2017 summit focus
22 on:
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- 24 (1) Identifying the major goals and challenges associated
25 with the design and validation of a prototype lunar
26 architecture in Hawaii; and
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- 28 (2) Formulating strategies for enabling public-private
29 partnerships to support the organization and
30 implementation of multinational research activities
31 and commercial ventures on the lunar surface and in
32 cis-lunar space; and
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34 BE IT FURTHER RESOLVED that certified copies of this
35 Resolution be transmitted to the Director of Business, Economic
36 Development, and Tourism; and Director of the Office of
37 Aerospace Development.
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OFFERED BY: _____

BT *Spencer* *Lozano* *Will Eyrw*

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