

MAR 07 2017

SENATE CONCURRENT 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

12
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

22
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



1 opportunities for local scientists, engineers, entrepreneurs,
2 and students; now, therefore,

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4 BE IT RESOLVED by the Senate of the Twenty-ninth
5 Legislature of the State of Hawaii, Regular Session of 2017, the
6 House of Representatives concurring, that the Office of
7 Aerospace Development within the Department of Business,
8 Economic Development, and Tourism is requested to establish and
9 administer the Multinational Lunar Architecture Alliance
10 (Alliance) to guide the development and implementation of
11 prototype lunar architecture in the County of Hawaii; and
12

13 BE IT FURTHER RESOLVED that the Alliance be comprised of
14 representatives from:

- 15
16 (1) Hawaii-based organizations, including but not limited
17 to the Office of Aerospace Development, the Pacific
18 International Space Center for Exploration Systems,
19 and the Hawaii Space Exploration Analog and Simulation
20 program;
21
22 (2) The National Aeronautics and Space Administration,
23 including but not limited to the Space Portal at the
24 National Aeronautics and Space Administration Ames
25 Research Center and the Exploration Integration and
26 Science Office at the Johnson Space Center;
27
28 (3) Other appropriate federal agencies, including but not
29 limited to the Federal Aviation Administration, United
30 States Pacific Command, and United States Army Pacific
31 Command;
32
33 (4) Other national space agencies;
34
35 (5) The Lunar Exploration and Analysis Group;
36
37 (6) The Universities Space Research Association, including
38 the Lunar and Planetary Institute;
39
40 (7) Major corporations representing aerospace, information
41 technology, renewable energy, robotics, manufacturing,
42 and other appropriate industrial sectors;



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- 1
- 2 (8) National space advocacy organizations, including but
- 3 not limited to the National Space Society, Lunar
- 4 Explorers Society, Space Frontiers Foundation, and
- 5 American Astronautical Society;
- 6
- 7 (9) International space agencies and organizations,
- 8 including but not limited to the International Lunar
- 9 Exploration Working Group, International Space
- 10 Exploration Coordination Group, and Committee on Space
- 11 Research; and
- 12
- 13 (10) The United Nations Office for Outer Space Affairs; and
- 14

15 BE IT FURTHER RESOLVED that the Alliance hold its first
16 organizational teleconference, coordinated by the Office of
17 Aerospace Development, by August 1, 2017; and

18
19 BE IT FURTHER RESOLVED that working in collaboration with
20 the Office of Aerospace Development, the Alliance develop an
21 agenda and invitational list for staging an international lunar
22 development summit in the County of Hawaii in October 2017; and

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24 BE IT FURTHER RESOLVED that the October 2017 summit focus
25 on:

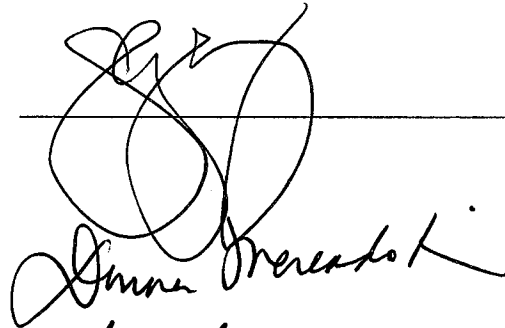
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- 27 (1) Identifying the major goals and challenges associated
- 28 with the design and validation of a prototype lunar
- 29 architecture in Hawaii; and
- 30
- 31 (2) Formulating strategies for enabling public-private
- 32 partnerships to support the organization and
- 33 implementation of multinational research activities
- 34 and commercial ventures on the lunar surface and in
- 35 cis-lunar space; and
- 36
- 37



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1 BE IT FURTHER RESOLVED that certified copies of this
2 Concurrent Resolution be transmitted to the Director of
3 Business, Economic Development, and Tourism; and Director of the
4 Office of Aerospace Development.
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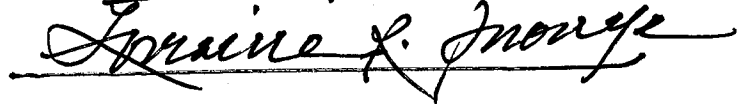
OFFERED BY: _____


Anne Meredith


The Clerk




Will Lyne


Ignace R. Inouye

