

STAND. COM. REP. NO. 1078

Honolulu, Hawaii

MAR 27 2015

RE: H.B. No. 1282  
H.D. 1  
S.D. 1

Honorable Donna Mercado Kim  
President of the Senate  
Twenty-Eighth State Legislature  
Regular Session of 2015  
State of Hawaii

Madam:

Your Committees on Public Safety, Intergovernmental and Military Affairs and Economic Development and Technology, to which was referred H.B. No. 1282, H.D. 1, entitled:

"A BILL FOR AN ACT RELATING TO BROADBAND COMMUNICATIONS TECHNOLOGY,"

beg leave to report as follows:

The purpose and intent of this measure is to appropriate funds for a National Aeronautics and Space Administration and Pacific International Space Center for Exploration Systems engineering assessment of a proposal to establish a laser optical communications ground station in Hawaii, leading to infrastructure construction beginning in 2016, contingent on a dollar-for-dollar match of funds from the National Aeronautics and Space Administration.

Your Committees received testimony in support of this measure from the Department of Business, Economic Development, and Tourism; Department of Commerce and Consumer Affairs Cable Television Division; Pacific International Space Center for Exploration Systems; and two individuals.

Your Committees find that space laser technology has the potential to support laser communications between spacecraft and Earth, provide ten to one hundred times higher data rates than traditional radio frequency systems with the same mass and power, and stimulate the State's economy through the creation of high-

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tech jobs. Your Committees further find that the National Aeronautics and Space Administration conducted a detailed statistical analysis of weather patterns and identified Hawaii as the best site in the United States to establish the first laser optical communications ground station. Implementation of this measure will advance the emerging aerospace sector and improve the broadband and optical fiber infrastructure in the State.

Your Committees have amended this measure by:

- (1) Changing the appropriation expending agency from the Department of Commerce and Consumer Affairs to the Department of Business, Economic Development, and Tourism; and
- (2) Making technical, nonsubstantive amendments for the purposes of clarity and consistency.

As affirmed by the records of votes of the members of your Committees on Public Safety, Intergovernmental and Military Affairs and Economic Development and Technology that are attached to this report, your Committees are in accord with the intent and purpose of H.B. No. 1282, H.D. 1, as amended herein, and recommend that it pass Second Reading in the form attached hereto as H.B. No. 1282, H.D. 1, S.D. 1, and be referred to the Committee on Ways and Means.

Respectfully submitted on  
behalf of the members of the  
Committees on Public Safety,  
Intergovernmental and Military  
Affairs and Economic  
Development and Technology,



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GLENN WAKAI, Chair



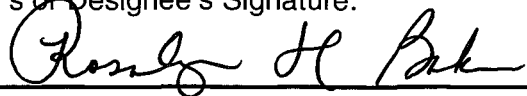
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WILL ESPERO, Chair



The Senate  
 Twenty-Eighth Legislature  
 State of Hawai'i

**Record of Votes**  
**Committee on Public Safety, Intergovernmental and Military Affairs**  
**PSM**

Bill / Resolution No.:* <b>HB 1282 HD1</b>	Committee Referral: <b>PSM EDT, WAM</b>	Date: <b>8-23-15</b>		
<input type="checkbox"/> The Committee is reconsidering its previous decision on this measure. If so, then the previous decision was to: _____				
The Recommendation is: <input type="checkbox"/> Pass, unamended 2312 <input checked="" type="checkbox"/> Pass, with amendments 2311 <input type="checkbox"/> Hold 2310 <input type="checkbox"/> Recommit 2313				
<b>Members</b>	<b>Aye</b>	<b>Aye (WR)</b>	<b>Nay</b>	<b>Excused</b>
ESPERO, Will (C)	✓			
BAKER, Rosalyn H. (VC)	✓			
GALUTERIA, Brickwood				✓
KEITH-AGARAN, Gilbert S.C.	✓	✓		
SLOM, Sam	✓			
<b>TOTAL</b>	<b>3</b>	<b>1</b>	<b>—</b>	<b>1</b>
Recommendation: <input checked="" type="checkbox"/> Adopted <input type="checkbox"/> Not Adopted				
Chair's or Designee's Signature: 				
Distribution:                      Original      Yellow      Pink      Goldenrod File with Committee Report      Clerk's Office      Drafting Agency      Committee File Copy				

\*Only one measure per Record of Votes

The Senate  
Twenty-Eighth Legislature  
State of Hawai'i

**Record of Votes**  
**Committee on Economic Development and Technology**  
**EDT**

Bill / Resolution No.:* <b>HB 1282 HD1</b>	Committee Referral: <b>PSM/EDT, WAM</b>	Date: <b>3/23/15</b>		
<input type="checkbox"/> The Committee is reconsidering its previous decision on this measure. If so, then the previous decision was to: _____				
The Recommendation is: <input type="checkbox"/> Pass, unamended 2312 <input checked="" type="checkbox"/> Pass, with amendments 2311 <input type="checkbox"/> Hold 2310 <input type="checkbox"/> Recommit 2313				
<b>Members</b>	<b>Aye</b>	<b>Aye (WR)</b>	<b>Nay</b>	<b>Excused</b>
WAKAI, Glenn (C)	X			
SLOM, Sam (VC)	X			
BAKER, Rosalyn H.	X			
CHUN OAKLAND, Suzanne	X			
DELA CRUZ, Donovan M.				X
ESPERO, Will	X			
HARIMOTO, Breene	X			
<b>TOTAL</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1</b>
Recommendation: <input checked="" type="checkbox"/> Adopted <input type="checkbox"/> Not Adopted				
Chair's or Designee's Signature: _____				
<b>Distribution:</b> Original     Yellow     Pink     Goldenrod File with Committee Report     Clerk's Office     Drafting Agency     Committee File Copy				

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