STAND. COM. REP. NO. 2107

Honolulu, Hawaii

FEB 0 7 2014

RE: S.B. No. 2583

Honorable Donna Mercado Kim President of the Senate Twenty-Seventh State Legislature Regular Session of 2014 State of Hawaii

Madam:

Your Committee on Public Safety, Intergovernmental and Military Affairs, to which was referred S.B. No. 2583 entitled:

"A BILL FOR AN ACT RELATING TO THE PACIFIC INTERNATIONAL SPACE CENTER FOR EXPLORATION SYSTEMS AND NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LASER COMMUNICATIONS GROUND STATION INITIATIVE,"

begs 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, with infrastructure construction beginning in 2016, contingent on a dollar-for-dollar match of funds from the National Aeronautics and Space Administration.

Your Committee received testimony in support of this measure from the Department of Business, Economic Development, and Tourism; University of Hawaii Hilo; Hawaii County Council; Pacific International Space Center for Exploration Systems; Ferraro Choi; Paragon Space Development Corporation; and eleven individuals.

Your Committee finds 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 hightech jobs. Your Committee further finds that the National

2014-1038 SSCR SMA.doc

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.

As affirmed by the record of votes of the members of your Committee on Public Safety, Intergovernmental and Military Affairs that is attached to this report, your Committee is in accord with the intent and purpose of S.B. No. 2583 and recommends that it pass Second Reading and be referred to the Committee on Ways and Means.

Respectfully submitted on behalf of the members of the Committee on Public Safety, Intergovernmental and Military Affairs,

WILL ESPERO, Chair

The Senate Twenty-Seventh Legislature State of Hawai'i

Record of Votes Committee on Public Safety and Military Affairs PSM

Bill / Resolution No.:*	Committee	Referral:		Date:	
SB 2583	PSM,	WAM		1-30-	14
The committee is reconsidering its previous decision on this measure.					
If so, then the previous decision was to:					
The Recommendation is:					
Pass, unamended Pass, with amendments Hold Recommit 2312 2311 2310 2313					
Members		Aye	Aye (Wi	R) Nay	Excused
ESPERO, Will (C)					
BAKER, Rosalyn H. (VC)		/	_		
GALUTERIA, Brickwood					
GREEN, M.D., Josh					
SLOM, Sam					
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TOTAL		3			
Recommendation: Adopted Not Adopted					
Chair's or Designee's Signature: Rossly H Bak					
Distribution: Original Yellow Pink Goldenrod File with Committee Report Clerk's Office Drafting Agency Committee File Copy					

*Only one measure per Record of Votes