

DAVID Y. IGE  
GOVERNOR



TODD NACAPUY  
CHIEF INFORMATION  
OFFICER

**STATE OF HAWAII**  
**OFFICE OF INFORMATION MANAGEMENT AND TECHNOLOGY**

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July 17, 2015

The Honorable Ronald D. Kouchi,  
President, and  
Members of the Senate  
Twenty-Eighth State Legislature  
State Capitol, Room 409  
Honolulu, Hawaii 96813

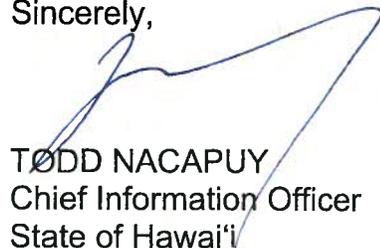
The Honorable Joseph M. Souki,  
Speaker, and Members of the  
House of Representatives  
Twenty-Eighth State Legislature  
State Capitol, Room 431  
Honolulu, Hawaii 96813

Dear President Kouchi, Speaker Souki and Members of the Legislature:

In accordance with Section 42, Act 119, Session Laws of Hawaii 2015, I am transmitting a copy of this initial report by the Office of Information Management and Technology regarding the requirement to conduct periodic information security and penetration audits of the Executive Branch information technology systems.

As required by Section 93-16, Hawaii Revised Statutes, the report may be viewed electronically at <http://oimt.hawaii.gov>.

Sincerely,



TODD NACAPUY  
Chief Information Officer  
State of Hawaii

Enclosure

State of Hawai'i  
Office of Information Management and Technology

Periodic Information Security and Penetration Audits  
of the Executive Branch Information Technology Systems  
*Initial Report — July 2015*

Pursuant to Section 42-5 of the General Appropriations Act of 2015 (Act 119, SLH 2015), the Office of Information Management and Technology (OIMT) submits this initial report regarding the requirement to conduct periodic information security and penetration audits of the Executive Branch information technology (IT) systems. Enacted on June 12, 2015, Act 119 SLH requires OIMT to submit quarterly reports to the Hawai'i State Legislature on July 1, October 1, January 1 and April 1.

**Recommendation Regarding Means of Reporting**

Due to the sensitive nature of the State's proactive cyber security measures and to safeguard data, personally identifiable information (PII) and other information entrusted to departments and agencies, OIMT proposes that quarterly reporting occur via a secure portal accessible to members of the Legislature identified by the Speaker of the House, Senate President, and Chair of the Senate Committee on Economic Development, Environment and Technology (EET).

This portal will be maintained and updated a minimum of quarterly with input provided by the Security Operations Center (SOC), which was established by OIMT in 2014 to conduct continuous monitoring and response to cyber threats to departments and agencies. The July report will also fulfill the requirement, pursuant to Section 42-1 of Act 119, SLH 2015, for OIMT to report to the Legislature no later than August 1, annually, the health status of each department's IT environment as it relates to functionality, risk and maturity.

**Current Cyber Security Posture**

Several advancements have been made in recent years to improve Hawai'i's cyber security posture and ensure protection of valuable information and data assets. In fiscal years 2014-2015, OIMT:

- Established the state's first Security Operations Center (SOC), which conducts continuous monitoring and response to cyber threats to departments and agencies. The state also aligned its cyber security approach with the National Cyber Security Framework.
- Implemented an enterprise-wide Incident Response (IR) program with numerous critical components necessary to properly respond to all natural hazard and cyber threats. This initiative has placed processes, procedures, reporting, and a highly structured workflow around this essential function. As IR is the first line of response to a cyber threat, adopting a proven and organized approach is critical.
- Formed a partnership with the U.S. Department of Homeland Security's Cyber Hygiene program, which provides network vulnerability scanning of external-facing public IP addresses to help the state understand how it appears to attackers on the Internet.

- Deployed additional security tools to increase protection against network-based threats.

In addition, in April 2015, Governor David Y. Ige appointed Todd Nacapuy as the State of Hawaii's Chief Information Officer, leading OIMT and overseeing the Information (ICSD) of the Department of Accounting and General Services. Nacapuy was confirmed by the Senate on April 22 and formally stepped into the role on May 4. He has since identified security as his top priority.

### **Status of Reporting**

Following the enactment of Act 119, SLH 2015, on June 12, 2015, OIMT promptly initiated development of a secure portal to be used in the quarterly reporting of Executive Branch information security and penetration audit findings, as described above. OIMT will request direction from the Speaker of the House, Senate President and EET Committee Chair regarding the distribution of access to the portal, which will be launched in conjunction with the next report to be submitted October 1, 2015.

The reporting specified above will be in addition to other reporting required of OIMT and/or the Chief Information Officer (CIO) elsewhere in statute, including the following:

- Act 84, SLH 2011, requires the CIO to report to the Legislature annually, no later than 20 days prior to the convening of the regular session, on the status and implementation of the state information technology strategic plan; and
- S.C.R. 88 of the 28<sup>th</sup> Legislature requests that the Information Privacy and Security Council, which is chaired by the CIO, in cooperation with the State CIO Council, assess existing procedures of notification required following the breach of personal information and report on findings no later than 20 days prior to the convening of the regular session of 2016.

*Note: Independent of OIMT, the State Auditor in accordance with S.C.R. No. 162 has initiated a financial audit of IT expenditures across the Executive Branch. OIMT will cooperate and, where possible, incorporate the State Auditor's findings into future quarterly reports. OIMT testified in support of the resolution, as it will serve ongoing efforts to document statewide IT spending that is estimated at approximately \$150 million annually. While OIMT currently monitors some IT spending, the comprehensive financial audit of Executive Branch IT expenditures will greatly aid OIMT efforts to execute the level of enterprise technology budget planning that will improve the coordination and integration of overall business process and technology spending.*