

PERFORMANCE AUDIT

Work in progress: Audit description

Opportunities to Improve IT Security at Critical Infrastructure Organizations

Threats to critical infrastructure operations have grown more serious since the invasion of Ukraine early in 2022. The federal government's Cybersecurity and Infrastructure Security Agency (CISA) advised state and local governments to be on the alert for cyberattacks by Russia or Russian-aligned actors, especially targeting critical infrastructure in retaliation for America's support of Ukraine. While not singling out specific targets, the warnings urgently recommended that state and local governments improve cybersecurity defenses around infrastructure such as airports, dams, power stations and hospitals.

In response to these threats, the State Auditor's Office has begun a new series of cybersecurity performance audits for governments with critical infrastructure in Washington. These audits are not intended to provide a comprehensive assessment of a government's security posture, but are instead narrowly scoped, looking for opportunities to improve those governments' security against external threats.

Preliminary scope, objectives and methodology

This audit will include the following three lines of work at several dozen local governments with critical infrastructure:

- Testing internet-facing assets, such as public websites, to identify vulnerabilities that an attacker anywhere in the world could leverage to attack or compromise IT systems.
- Assessing publicly available information (open-source intelligence) to identify potentially compromised accounts and potential data breaches, which could indicate an ongoing attack.
- Interviews with key IT management and staff focusing on the security controls protecting the IT systems used to manage critical infrastructure, resulting in tailored recommendations to improve IT security.

This performance audit will seek to answer the following question:

- Are there opportunities to strengthen the external security posture of selected governments with critical infrastructure?

Timing

Audit work will continue through 2023, with results provided to each government as we complete the audit. We will issue a public report covering audits completed by the end of each fiscal year.



Office of the
Washington
State Auditor
Pat McCarthy

Director of
Performance and
IT Audit:

Scott Frank

(564) 999-0809

Scott.Frank@sao.wa.gov

Assistant Director of
IT Audit:

Peg Bodin

(564) 999-0965

Peggy.Bodin@sao.wa.gov

IT Security Audit
Manager:

Erin Laska

(360) 594-0615

Erin.Laska@sao.wa.gov

IT Security Assistant
Audit Manager:

Quinn Peralta

(564) 201-2953

Quinn.Peralta@sao.wa.gov

Office of the
Washington State
Auditor

P.O. Box 40021

Olympia, WA

98504-0021

www.sao.wa.gov

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