



STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET
LANSING

MICHELLE LANGE
DIRECTOR

December 30, 2024

Mr. Richard Lowe, Chief Internal Auditor
Office of Internal Audit Services
Office of State Budget
George W. Romney Building
111 South Capitol, 6th Floor
Lansing, Michigan 48913

Dear Mr. Lowe:

In accordance with the State of Michigan, Financial Management Guide, part VII, following is a summary table identifying our ongoing response and corrective action plan to address the recommendation contained within the Office of the Auditor General's Statewide UNIX Security Controls follow-up audit report (171-0563-15F).

If you have any questions, or if I can be of further assistance, please don't hesitate to contact me directly.

Sincerely,

A handwritten signature in black ink that reads "Michelle Lange".

Michelle Lange
DTMB Director

Attachment (1)

cc: Senator Sarah Anthony, Chair, Senate Appropriations
Senator John Cherry, Chair, Senate General Government Appropriations Subcommittee
Senator Sam Singh, Chair, Senate Oversight Committee
Representative Angela Witwer, Chair, House Appropriations
Representative Felicia Brabec, Chair, House General Government Appropriations Subcommittee
Representative Erin Byrnes, Chair, House Ethics and Oversight Committee
Doug Ringler, Auditor General
Patti Tremblay, MIEOG
Laura Clark, Chief Information Officer
Caleb Buhs, Chief Deputy Director
Rex Menold, Chief Technology Officer
Jayson Cavendish, Chief Security Officer
Heather Frick, Director, Agency Services
Eric Swanson, Director, Center for Shared Solutions
Sherri Irwin, Director, Office of Support Services, DTMB ICO

Summary of Agency Response to Recommendation

1. Audit recommendation DTMB agreed with and will remediate: #1

DTMB Final Corrective Action Plan:

Finding 1 – Improved security configuration controls needed to protect UNIX operating systems

DTMB agrees with the importance of effective operating system configuration controls. DTMB also agrees with the need to document tailored configuration settings appropriate for the State of Michigan's environment.

As part of the process to ensure a server is operational and the server meets the Agencies' business needs, DTMB tailors the configurations to ensure the server will function appropriately.

DTMB documents the final operational configurations for a server within the operating system. Tailoring is documented using a controlled workflow and approval process.

DTMB updated the documentation for the tailored operating system configurations applied at the time a server is initially built to reflect changes in configurations applied to servers at the time a server is initially hardened (July 2024).

DTMB is reviewing deployed UNIX servers and assessing deviations from the tailored baseline (January 2025).

Comment on CAP from Michigan Office of the Auditor General (05/23/2025, 11:00 AM)

DTMB documented tailored configurations in their build configuration standards, however, these were only for blank UNIX servers. Once operational, DTMB further tailored configurations to ensure the application would function appropriately. These final configurations were not always documented. Therefore, we were unable to determine if these were security risks or tailored configurations.





