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Office of the Auditor General

Report Summary

Performance Audit

Physical Security and Environmental Controls Over Information Technology Resources Department of Technology, Management, and Budget (DTMB)

Report Number:
071-0500-15

Released:
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DTMB's Data Center Operations (DCO) maintains and secures the State's three hosting centers that house computer servers containing the State's automated information systems. DTMB's Network and Telecommunications Services Division maintains and secures the State's computer network equipment that transmits data to and from the hosting centers. Network equipment is stored in switch rooms and telecommunication rooms located throughout the State.

Audit Objective			Conclusion
Objective #1: To assess the adequacy of DTMB's physical security controls in place at locations housing the State's information technology (IT) resources.			Generally adequate
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
DTMB did not fully implement controls to limit physical access to the State's telecommunication equipment to only those individuals requiring access. Rooms housing telecommunication equipment were not always secured (Finding #1).	X		Agrees
DTMB did not establish adequate physical security in and around the hosting centers and switch rooms. Former employees still had access to hosting centers and switch rooms (Finding #2).		X	Agrees
DTMB did not maintain complete and accurate records of the State's telecommunication equipment. Some new equipment purchases were not added to inventory systems (Finding #3).		X	Agrees

Audit Objective			Conclusion
Objective #2: To assess the adequacy of DTMB's environmental controls in place at locations housing the State's IT resources.			Generally adequate
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
DTMB had not implemented adequate environmental controls over IT equipment located throughout the State. Some rooms were not reasonably free from dust, food and beverages, or general storage items. Also, water and fire hazards existed in some locations (<u>Finding #4</u>).	X		Agrees

Audit Objective			Conclusion
Objective #3: To assess the effectiveness of DTMB's governance over physical security and environmental controls at locations housing the State's IT resources.			Moderately effective
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
DTMB had not prepared and approved plans for the replacement of mechanical equipment that has exceeded its life expectancy. Air conditioning units in the switch rooms were 5 to 12 years beyond their manufacturers' expected life with no plan for replacement (<u>Finding #5</u>).		X	Agrees
DTMB did not maintain documentation to support the completion of the required preventive maintenance services for the transient voltage surge suppressor units. Preventive maintenance helps ensure that equipment is functioning properly and not in need of repair or replacement (<u>Finding #6</u>).		X	Agrees

A copy of the full report can be obtained by calling 517.334.8050 or by visiting our Web site at: www.audgen.michigan.gov

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