Fiscal Year 2015 Cyber & Network Security Enhancement Update

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DTMB TECHNOLOGY, MANAGEMENT AND BUDGET

Homeland Security Initiative/Cybersecurity

$1.7 Million

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Michigan Cyber Civilian Corps (MiC3)
$150,000

Enhancement Description: First-in-the-nation volunteer, rapid response team that will respond to a major cyber incident after the Governor's state of emergency declaration. The Cyber Corps provide mutual aid to government, education and business organizations. Funding allows for technical training of team members and coordination of exercises.

Benchmark: Number of Cyber Civilian Corps members.

Status: Target of 50 members. 13 MiC3 teams have been established across Michigan, totaling 32 members, representing an increase of 21 from 2014. 18 new members are currently being vetted. 119 applicants were turned down based on assessment scores.

Cyber Range Support
$450,000

Enhancement Description: Support cyber range training and exercises for law enforcement, military, students, and researchers. Additionally support the new Michigan Cyber Protection Team, one of three nationally.

Benchmark #2: Number of cyber range events

Status: 25 Cyber Range Events were held in FY15. The Cyber Range was extended to Selfridge Air National Guard Base and to the Combat Readiness Center in Alpena. Cyber training and exercises were provided to DTMB personnel, National Guard, MSP and the MI Civilian Cyber Corps.

Cyber Risk Reduction
$1.1 M

Enhancement Description: Additional funding for Data Loss Prevention, Digital Incident Response (DIR) and Security program risk reduction.

Benchmark #3: Track the number of cyber incidents responded to monthly.

Status: Implemented a DIR on SOM desktops/laptops and servers. Completed planning for 11 programs to improve state cybersecurity. Wrote and released bid for Penetrations Testing Services. Reduced the average number of incidents per month from 434 to 248 in FY15.

Network Modernization
$4.1 M

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Equipment life cycle status

Benchmark #1: Identify all Cisco equipment in service and determine its life cycle status.

Status: Program divided into ten initiatives, each of which contains a goal of determining equipment life-cycle status.

Initiative	Completion	Initiative	Completion
Network Core Upgrade	Complete	VPN Upgrade	2Q FY16
Application Firewall	Complete	SOM Cloud Inter-Connect	2Q FY16
App. Load Balancing	1Q FY16	Data Center Switches (2)	3Q FY16
DMZ Firewall Replace	1Q FY16	Vendor Partner Access	3Q FY16
Internet Router Upgrades	1Q FY16		

Network Equipment Upgrades

Benchmark #2: Reduce security vulnerabilities and increase compliance by implementing new equipment and improving software update distribution.

Status: Upgraded legacy data center routers, reducing high risk vulnerabilities by 78%. Additional benefits include improving speed by a factor of ten (with capacity to improve by factor of 100), eliminating obsolete technology with limited security patching, and routers compatible for audit compliance.

Critical Application Traffic

Benchmark #3: Prioritize critical application traffic across the network.

Status: Completed. 100% of SOM internal network is now prioritizing voice and video traffic to support migration to IP telephony

Questions?

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