

# **Cybersecurity Update**

Gary Foster April 10, 2017



# **Discussion Topics**

- Cybersecurity Challenges
- Policy Work
- Security Awareness & Training
- Execution of Policies
- Next Steps





# **Cybersecurity Challenges**

38%

Increase in cybersecurity incidents in the past year.<sup>1</sup>



breach.<sup>2</sup>

48%

Percentage of data breaches that are caused by employees and contractors. <sup>2</sup>



## A complex, moving target

Cyber threats are an increasing risk for MassDOT as professional hackers execute ever more sophisticated attacks against government agencies and private sector companies.



## **Commonwealth and MassDOT priority**

The Commonwealth and MassDOT have identified cybersecurity as top priority. Cybersecurity is critical to MassDOT's ongoing ability to successfully perform its mission.



## Cybersecurity begins with us

Cybersecurity is not simply an IT issue, it is an enterprise-wide responsibility. To successfully prevent, identify, and address cybersecurity threats, everyone's involvement is imperative.

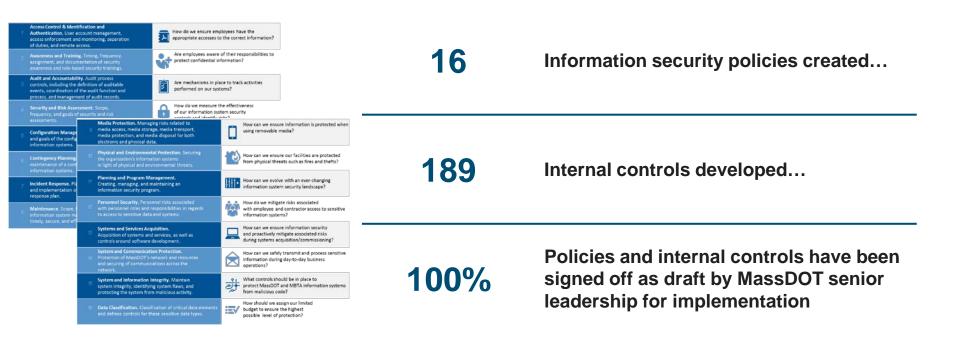


<sup>&</sup>lt;sup>1</sup> PwC Global State of Information Security Survey



Ponemon Institute

# **Policy Work**



The first policy to be implemented is Security Awareness & Training.





# **Security Awareness & Training**

The Security Awareness & Training program is being delivered in three phases. Phase 1, the current project, defines the program and establishes the approach for subsequent work.

### **Current Project** March - May

- Leadership training and awareness campaign
- Comprehensive training plan
- Multi-channel communications strategy
- Training content requirements

# PHASE 1 **Define** Program

#### Summer - Fall 2017

## PHASE 2 Launch Training

- Deliver online
- Track and enforce

## PHASE 3 Maintain **Program**

- Track and enforce





# **Execution of Policies**

Based on a survey distributed to MassDOT information system users, respondents see cybersecurity as important, and are receptive to training and additional knowledge.



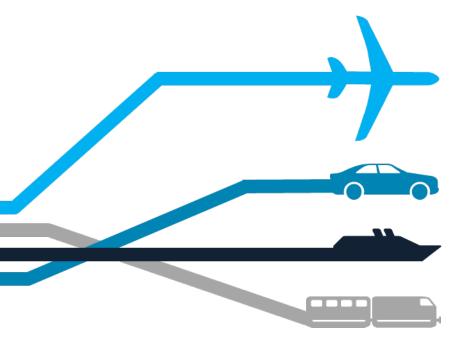
Of the comments provided, 41% related to the need to change current practices; passwords were the most frequently cited pain point. 41% personal Security Phishing Workimportant password trying 39% computer time access people





# **Next Steps**

There are several components that are essential to the success of the Security Awareness & Training program.



## Leadership support

Will be essential for communicating the value of the program and gaining buy-in

## Receptive adoption

Change management is crucial to successfully implementing the training and adopting cybersecurity best practices

## Enterprise-wide involvement

Cybersecurity needs to be the responsibility of every division, not only IT

# **Ongoing input**

With your continued input, the implementation will have best chance at succeeding short-term and being sustainable longterm



