



# WaterISAC

The Water and Wastewater Systems Sector's Official Threat & Preparedness Resource

## DHS Cybersecurity Advisor Program

| July 11, 2018 |

# *Today's Presenter*

**Tara Brewer, DHS CS&C**

Slides and recording will be posted by Thursday.



# **DHS Cybersecurity Services For Water Sector**

**Tara Brewer**

Cybersecurity Advisor

Stakeholder Risk Assessment and Mitigation

Office of Cybersecurity & Communications

National Protection and Programs Directorate

7/11/2018

# Who We Are



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Department of Homeland  
Security

National Protection and  
Programs Directorate

Office of Cybersecurity  
and Communications

## CS&C Mission:

*Enhancing the security,  
resilience, and reliability  
of the Nation's cyber and  
communications  
infrastructure.*

Federal Network  
Resilience

Network Security  
Deployment

National  
Cybersecurity and  
Communications  
Integration Center

Stakeholder  
Engagement and  
Cyber Infrastructure  
Resilience

Office of Emergency  
Communication



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# Serving Critical Infrastructure and SLTT Government

## KEY ACTIVITIES:



## 16 CRITICAL INFRASTRUCTURE SECTORS:



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# Cybersecurity Advisor (CSA) Program

## *The CSA Mission:*

*To provide direct coordination, outreach, and regional support and assistance in the protection of cyber components essential to the Nation's Critical Infrastructure.*

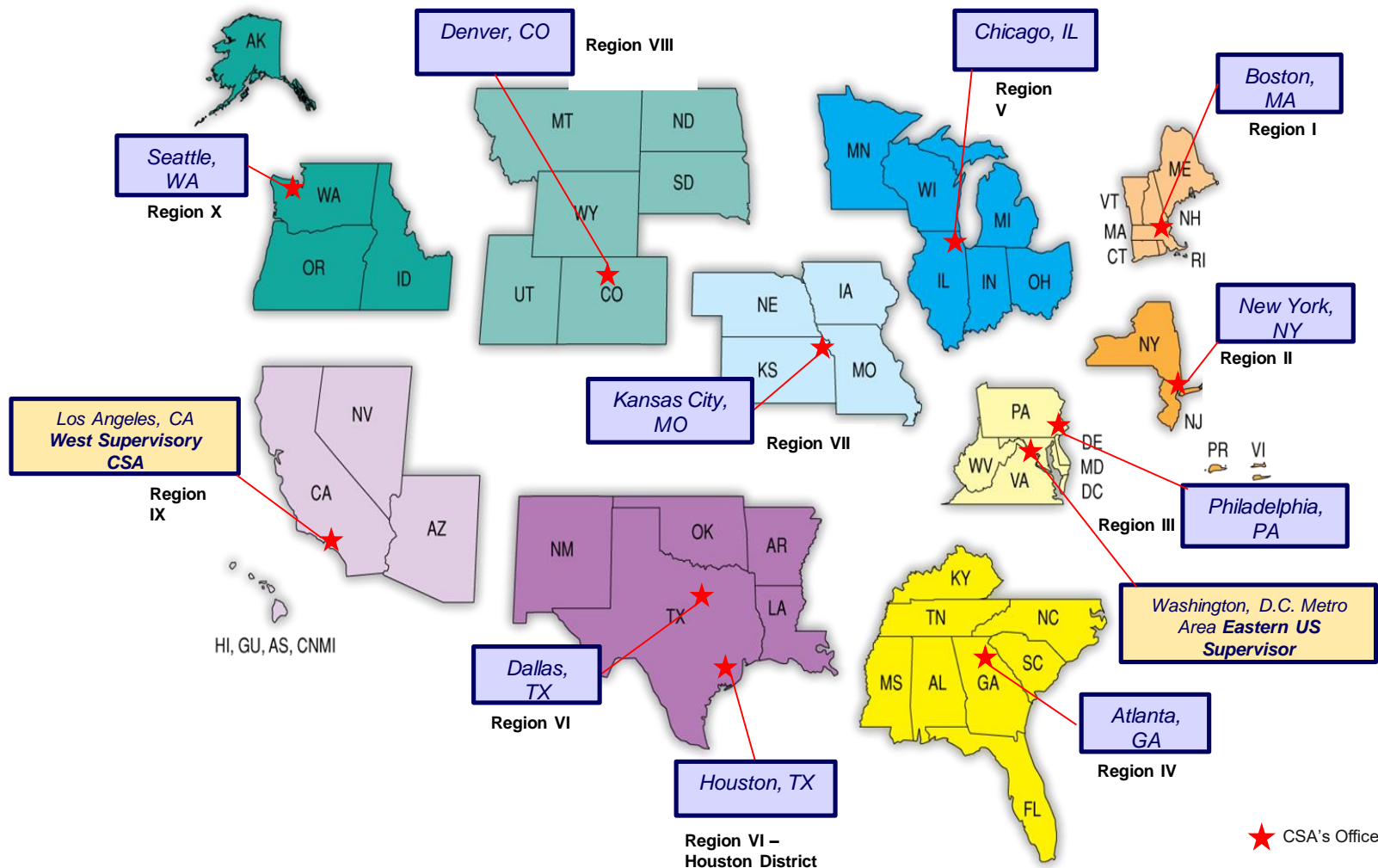
In service of this mission, CSAs are guided by the following goals:

- **Assess:** Assess critical infrastructure cyber risk.
- **Promote:** Promote best practices and risk mitigation strategies.
- **Build:** Initiate, build capacity, and support cyber communities-of-interest and working groups.
- **Educate:** Educate and raise awareness.
- **Listen:** Collect stakeholder requirements.
- **Coordinate:** Coordinate incident support and lessons-learned.



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# Cybersecurity Advisor (CSA) Locations



For more information about the CSA Program, schedule a review or assessment, email [cyberadvisor@hq.dhs.gov](mailto:cyberadvisor@hq.dhs.gov).



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# **DHS Cybersecurity Services Available to the Water Sector**



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# Cybersecurity Offerings

- National Cybersecurity and Communications Integration Center (NCCIC)
  - Operations
    - US-CERT/ ICS-CERT Operations
    - Cyber Threat Hunting and Incident Response Teams
    - National Cyber Assessments and Technical Services (NCATS)
      - Risk and Vulnerability Assessments (RVAs)
      - Phishing Campaign Assessments (PCA)
      - Vulnerability Scanning
      - Validated Architecture Design Review (VADR)
      - Cyber Security Evaluation Tool (CSET™)
  - Cyber Threat Detection and Analysis
    - Cyber Exercises
    - Malware Analysis
    - National Cyber Awareness System
    - Publications and Communications
- Stakeholder Engagement Cyber Infrastructure Resilience (SECIR)
  - Cyber Education and Awareness
    - Federal Virtual Training Environment (Fed VTE)
    - National Initiative for Cybersecurity Careers and Studies (NICCS)
    - Stop.Think.Connect.™
  - Partnership and Engagements
    - State, Local, Tribal, and Territorial (SLTT) engagements
    - Critical Infrastructure Cyber Community Voluntary Program (C3VP) <http://us-cert.gov/ccubedvp>
  - Stakeholder Risk Assessment and Mitigations [a.k.a. **Cybersecurity Advisors**]
    - Assessments
      - Cyber Resilience Reviews (CRR™)
      - External Dependency Management (EDM) Assessments
      - Cyber Infrastructure Surveys
    - Partnership Development
    - Stakeholder Preparedness
    - Incident Coordination



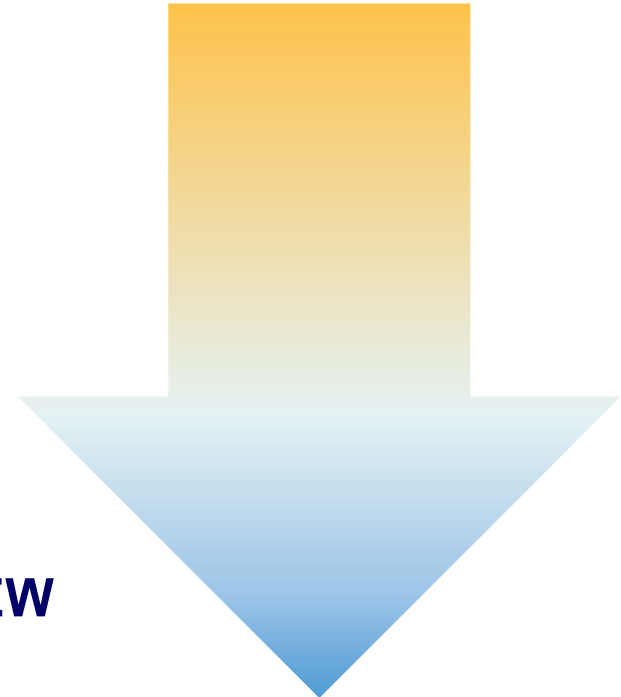
# Assessments



# Cybersecurity Assessments

- CYBER RESILIENCE REVIEW
- EXTERNAL DEPENDENCIES MANAGEMENT
- CYBER INFRASTRUCTURE SURVEY
- CYBERSECURITY EVALUATIONS TOOL
- PHISHING CAMPAIGN ASSESSMENT
- VULNERABILITY SCANNING/ HYGIENE
- VALIDATED ARCHITECTURE DESIGN REVIEW
- RISK AND VULNERABILITY ASSESSMENT

**STRATEGIC  
(HIGH-LEVEL)**



**TECHNICAL  
(LOW-LEVEL)**



# CYBER RESILIENCE REVIEW (CRR)



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# Cyber Resilience Review



- **Purpose:** The CRR is an assessment intended to evaluate an organization's operational resilience and cybersecurity practices of its **critical services**
- **Delivery:** The CRR can be
  - facilitated
  - self-administered

CRR Self-Assessment Package is available on the C-Cubed Voluntary Program website.

- Helps public and private sector partners understand and measure cyber security capabilities as they relate to operational resilience and cyber risk
- Based on the CERT ® Resilience Management Model (CERT® RMM))



Cyber Resilience Review (CRR):  
Question Set with Guidance

*February 2016*



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*CRR Question Set & Guidance*

**The CRR provides organizations with a no-cost method to assess their cybersecurity postures and measure against the NIST CSF.**



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# Cyber Resilience Review Domains



## **Asset Management**

Know your assets being protected & their requirements, e.g., CIA

## **Risk Management**

Know your biggest risks and address them in a manner that considers cost and your risk tolerances

## **Configuration and Change Management**

Manage asset configurations and changes

## **Service Continuity Management**

Ensure workable plans are in place to manage disruptions

## **Controls Management**

Manage and monitor controls to ensure they are meeting your objectives

## **Situational Awareness**

Actively discover and analyze information related to immediate operational stability and security

## **External Dependencies Management**

Know who your most important external entities are and manage the risks they pose to essential services

## **Training and Awareness**

Ensure your people are trained on and aware of cybersecurity risks and practices

## **Incident Management**

Be able to detect and respond to incidents

## **Vulnerability Management**

Know your vulnerabilities and manage those that pose the most risk

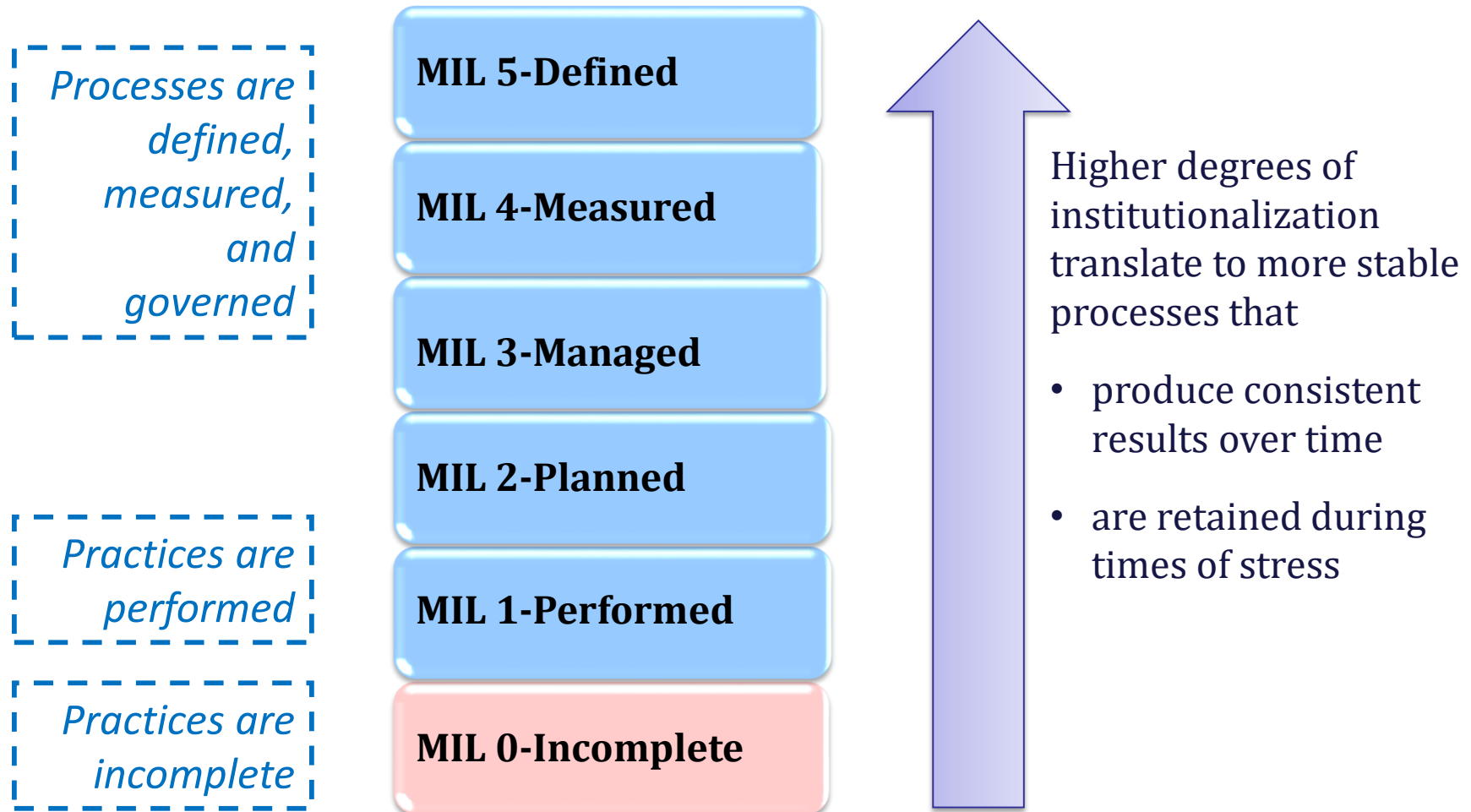
For more information: <http://www.us-cert.gov/ccubedvp>



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# Process Institutionalization

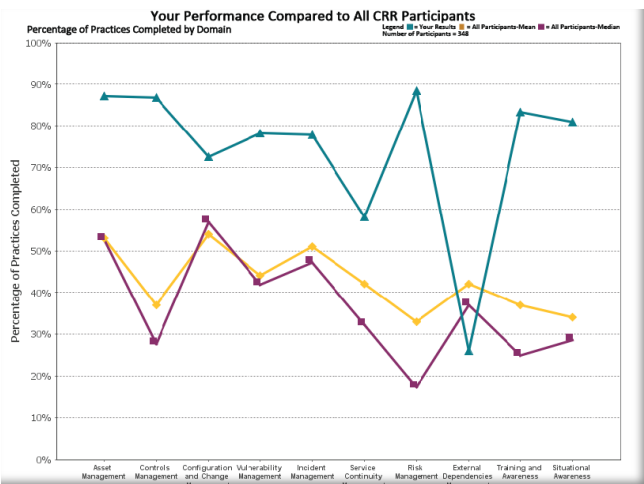
Maturity indicator levels (MIL) are used in the CRR to measure process institutionalization:





# CRR Sample Report

## Each CRR report includes:



comparison data with  
other CRR participants  
*\*facilitated only*



A summary “snapshot”  
graphic, related to the **NIST  
Cyber Security Framework.**

Domain performance of  
existing cybersecurity  
capability and options for  
consideration for all responses

### DOMAIN 1: ASSET MANAGEMENT



The purpose of Asset Management (AM) is to identify, document, and manage assets during their life cycle to ensure sustained productivity to support critical services. There are seven goals in Asset Management:

- Goal 1 - Identify & prioritize critical services
- Goal 2 - Inventory assets, and establish the authority and responsibility for these assets
- Goal 3 - Establish the relationship between assets and the services they support
- Goal 4 - Manage the asset inventory
- Goal 5 - Manage access to assets
- Goal 6 - Prioritize & manage information assets
- Goal 7 - Prioritize & manage facility assets

The following contains questions asked during the CRR for each goal in the Asset Management domain, and your organization's response to these questions. In cases where the response is noted as "Incomplete" or "No", there is an accompanying Option for Consideration addressing that question.

Goal 1 - Identify & prioritize critical services		
1.	Are critical services identified? [SC.SG2.SP1]	Yes
2.	Are critical services prioritized based on analysis of potential impact if these services are disrupted? [SC.SG2.SP1]	Incomplete
Q2	CERT-RMM Reference: [SC.SG2.SP1] Identify and prioritize critical services, associated assets, and activities. A fundamental risk management principle is to focus on activities to protect and sustain services and assets that most directly affect the organization's ability to achieve its mission. Additional Reference: NIST SP 800-34, Revision 1 "Contingency Planning Guide for Federal Information Systems" (pages 15-18)	

Goal 2 - Inventory assets, and establish the authority and responsibility for these assets		
1.	Are the assets that directly support the critical service inventoried? [ADM.SG1.SP1]	People Incomplete Information Incomplete Technology Incomplete Facilities Yes
Q1	CERT-RMM Reference: [ADM.SG1.SP1] Identify and inventory critical assets. An organization must be able to identify its critical assets, document them, and establish their value in order to develop strategies for protecting and sustaining assets commensurate with their value to the services they support. Additional Reference: NIST SP 800-18, Revision 1, "Guide for Developing Security Plans for Federal Information Systems" (pages 2-3)	



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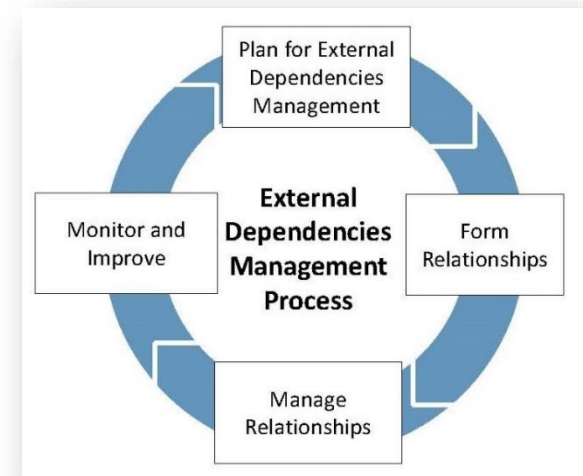
# EXTERNAL DEPENDENCIES MANAGEMENT (EDM) ASSESSMENT



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# EDM Assessment Organization and Structure

- ❑ Structure and scoring very similar to DHS Cyber Resilience Review
- ❑ Uses one Maturity Indicator Level (MIL) scale with three lifecycle domains.



*EDM process outlined in the External Dependencies Management Resource Guide*

The EDM Assessment provides stakeholders with a more in-depth examination of risks associated with their third-party entities.

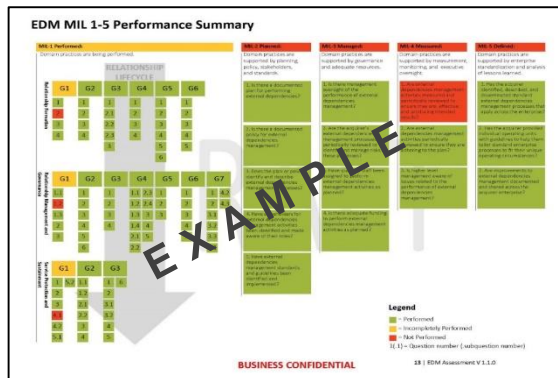


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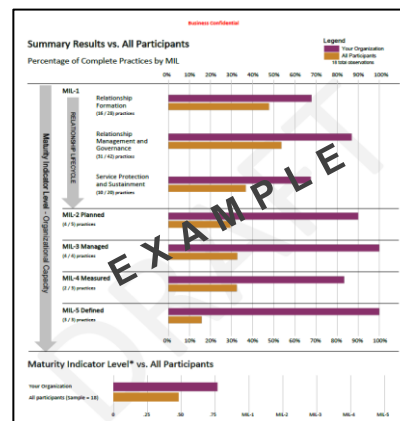
# EDM Assessment Report

## Each EDM report includes:

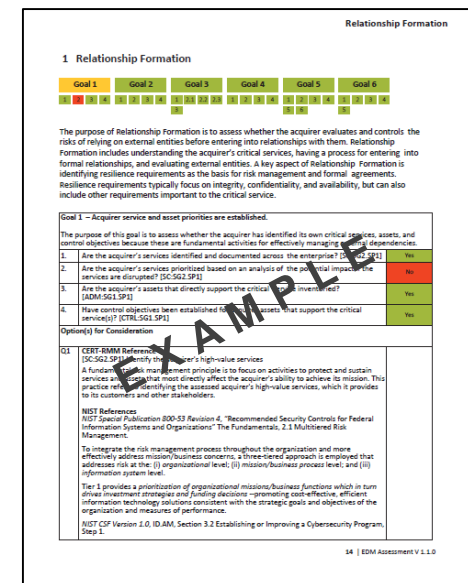
- Performance summary of existing capability managing external dependencies



- comparison data with other EDM participants



- Sub-domain performance of existing capability managing external dependencies and options for consideration for all responses



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# **CYBER INFRASTRUCTURE SURVEY (CIS)**



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# CIS Dashboard



## Cyber Security & Communications Cyber IST Survey

[Home](#)[Logout](#)

### Cyber Protection Resilience Index

[Point Of Contact and Participants](#)[Critical Service Information](#)

### Cybersecurity Management

[Cybersecurity Leadership](#)[Inventory](#)[System Architecture](#)[Security Architecture](#)[Change Management](#)[Lifecycle Tracking](#)[Accreditation and Assessment](#)[Cybersecurity Plan](#)[Cybersecurity Exercises](#)[External Information Sharing](#)

Cyber IST Survey for

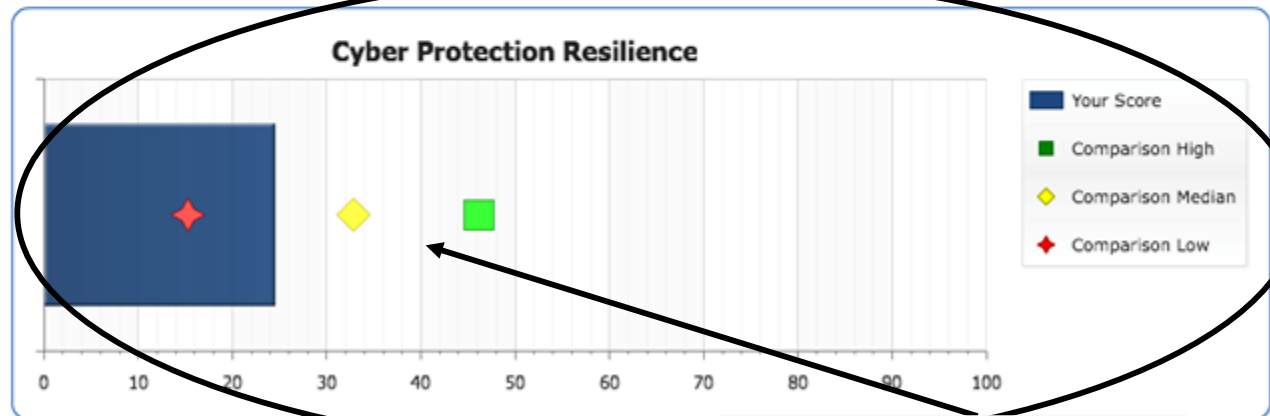
Threat Overlay:

General

Scenario:

General

Cyber Protection Resilience



### Scenario:

- ☐ Where should we to invest?
- ☐ Weakest area in comparison to peers
- ☐ Show management improvement

### Threat-based PMI:

- ☐ Natural Disaster
- ☐ Distributed Denial-of-Service
- ☐ Remote Access Compromise
- ☐ System Integrity Compromise

### Comparison:

- ☐ Low Performers
- ☐ Median Performers
- ☐ High Performers



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# **CYBER SECURITY EVALUATION TOOL (CSET)**

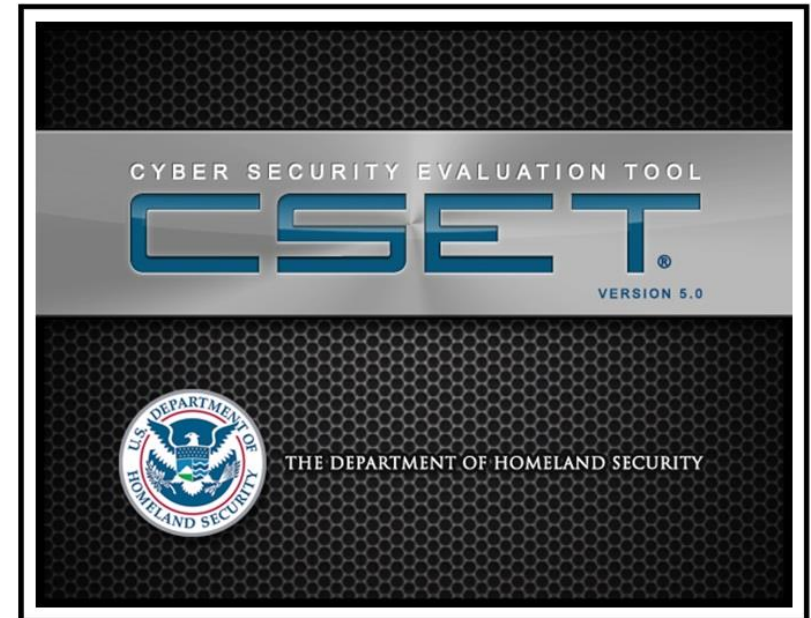


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# Cyber Security Evaluation Tool (CSET) <sup>®</sup>

- Stand-alone software application
- Self-assessment using recognized standards
- Tool for integrating cybersecurity into existing corporate risk management strategy



## CSET Download:

[http://us-cert.gov/control\\_systems/csetdownload.html](http://us-cert.gov/control_systems/csetdownload.html)



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# **PHISHING CAMPAIGN ASSESSMENT (PCA)**



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# Phishing Campaign Assessment

**Problem:** Phishing is a common attack vector used to breach a stakeholder's operating environment and gain access to sensitive systems

## Objectives:

- Increase cybersecurity awareness within stakeholder organizations
- Decrease risk of successful malicious phishing attacks, limit exposure, reduce rates of exploitation

## Benefits:

- Receive actionable metrics
- Highlight need for improved security training



# Phishing Campaign Assessment

## Scope

- Phishing emails capture click-rate only, no payloads will be used
- Stakeholder provides a list of target users to receive custom crafted and approved phishing emails
  - Minimum 300, Maximum 7500
- 6-week engagement period

Note: This is NOT a continuous assessment (there will be definitive start and end dates)
- Varying Levels of Complexity
  - Levels 1 - 6 (Easy to Difficult)
  - Complexity Level based on combination of indicator groups



# Phishing Campaign Assessment

To: <Stakeholder List>

From: Apples Customer Relations <freeapplesforyou@[PCA-testing-site].org> Subject: Free iPad – Just Complete a Survey!

Want the new iPad or iPad Mini? I got mine free from this site: <fake link> !!!!!

We would like to invite you to be part of a brand new pilot program to get our new product in the hands of users before official release. This assures that any issues or errors are mitigated before the release. If you are accept to participate in this programall we ask is that you submit a survey at the end of the Pilot. You be able to keep iPad at the end for free!



Apples Customer Relationships Office  
Apples Campus, Cupertino, California 95114



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# Phishing Campaign Assessment

To: <Stakeholder List>

From: OBRM <OBRM@[PCA-testing-site].org>

Subject: Future Budget Plans

In the coming weeks, our state's leadership will be working to draft a plan to prevent long term financial issues and ways to avoid human resource reductions. All departments within the State Government are being directed to draft a plan to help meet projected budget shortages and find ways to reduce spending within the State Government.

We have been asked to work more efficiently with less. As a result, many budgets and programs are also facing significant reduction. The Office of Budget and Resource Management has developed a draft plan that will address any potential budget shortcomings.

To learn more about the budget and how your program maybe affected, please visit <LINK>.

If you have any questions or concerns, we'd love to hear them. Please emails us here <embedded link>.

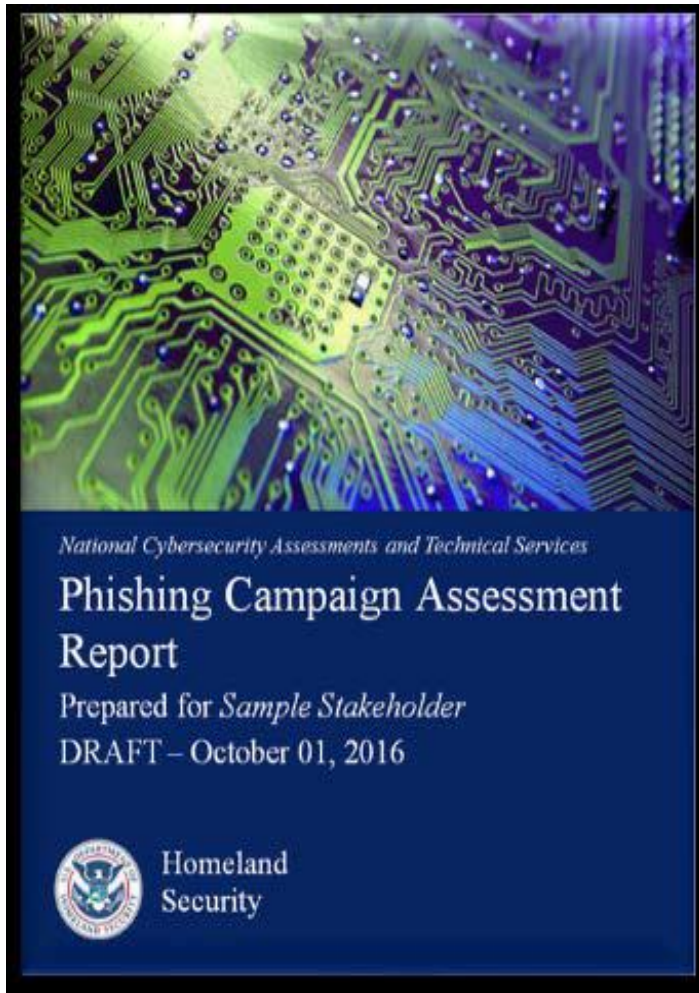
Office of Budget and Resource Management



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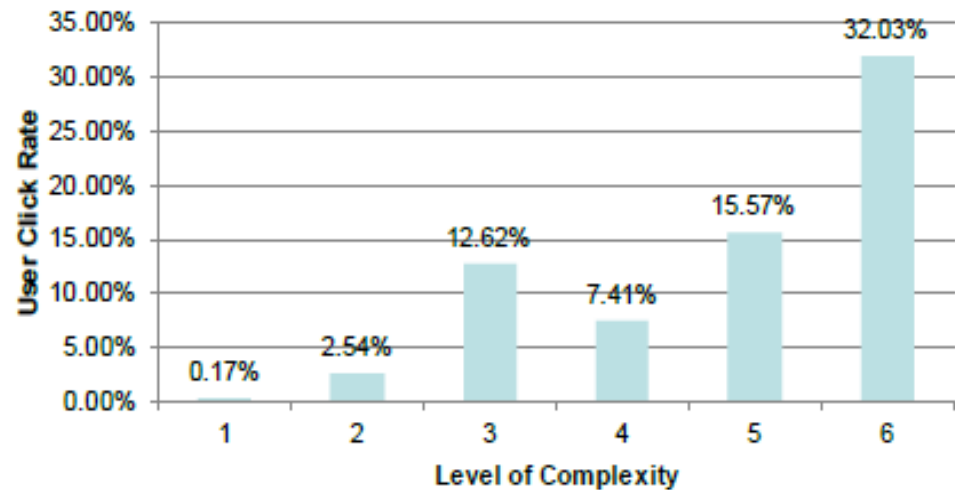
# Phishing Campaign Assessment

## Sample Reports



Week	Campaign	Date Sent	Complexity Level	User Click Rate	# Emails Sent
1	Please Help!	3/18/16	1	0.17%	401
2	Reveal Your Past	3/31/16	2	2.54%	402
3	Password Expire Alert	4/6/16	3	12.62%	401
4	Severe Weather Checklist	4/15/16	4	7.41%	402
5	Federal Employee Survey	4/20/16	5	15.57%	401
6	Salary Guidelines	4/27/16	6	32.03%	402

### Click-Rate by Complexity



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# **CYBER HYGIENE (CYHY)- VULNERABILITY SCANNING**



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# CyHy - Vulnerability Scanning

- Assess Internet accessible systems for known vulnerabilities and configuration errors.
- Work with organization to proactively mitigate threats and risks to systems. Activities include:
  - **Network Mapping**
    - Identify public IP address space
    - Identify hosts that are active on IP address space
    - Determine the O/S and Services running
    - Re-run scans to determine any changes
    - Graphically represent address space on a map
  - **Network Vulnerability & Configuration Scanning**
    - Identify network vulnerabilities and weakness

## Cyber Hygiene Assessment

Sample Organization

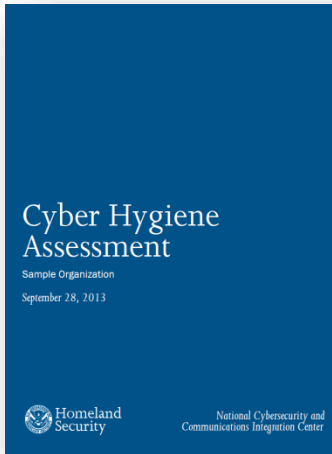
September 28, 2013



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# CyHy - Vulnerability Scanning Sample Report Snapshots



## For Official Use Only (FOUO) CYBER HYGIENE REPORT CARD

### HIGH LEVEL FINDINGS

ADDRESSES	HOSTS	SERVICES	VULNERABILITIES
48 ↔ no change	18 ↑ 8 increase	18 ↑ 4 increase	16 ↓ 8 decrease

### VULNERABILITIES

CRITICAL	HIGH	MEDIUM	LOW
0 ↔ 0 resolved 0 new	2 ↔ 0 resolved 0 new	2 ↓ 8 resolved 0 new	12 ↔ 2 resolved 2 new

### PREVIOUS REPORT

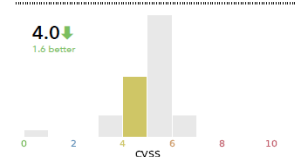


### CURRENT REPORT

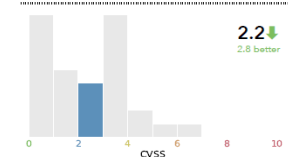


### ORGANIZATIONAL COMPARISONS

#### VULNERABLE HOST SCORE



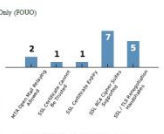
#### OVERALL SCORE



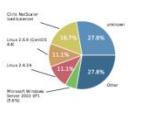
4 For Official Use Only (FOUO)

## 2 Executive Summary

This report provides the results of a Department of Homeland Security (DHS) / National Cybersecurity Assessment and Technical Services (NCAATS) and Cyber Hygiene (CH) assessment of Sample Organization (SAMPLE), conducted from September 28, 2013 to 04:15 UTC through September 28, 2013 to 04:15 UTC. The Cyber Hygiene assessment includes network mapping, and vulnerability scanning for internet-accessible (IACS) hosts. This report is intended to provide SAMPLE with enhanced understanding of their cyber posture and to promote a secure and resilient Information Technology (IT) infrastructure across the Federal government's internet-accessible networks and hosts. For the reporting period, a total of 18 hosts out of a possible 48 addresses were identified. The scan revealed 24 total potential vulnerabilities distributed across 10 (55.6%) of the hosts. 4 distinct open ports, 4 distinct services, and 10 operating systems were detected.



The top five operating systems, services, and vulnerabilities discovered are displayed in Figure 3, Figure 4, and Figure 5 respectively.



5 distinct types of potential vulnerabilities (0 critical, 1 high, 2 medium, and 2 low) were detected. SAMPLE should review the vulnerabilities detected and report any false positive back to the NCAATS or they can be excluded from future reports. Please refer to Appendix A for an illustration of the breakdown of vulnerability occurrences over time.

Severity	Distinct Vulnerabilities	Total Vulnerabilities
Critical	0	0
High	1	2
Medium	2	2
Low	2	12
Total	5	16

Table 1: Number of vulnerabilities by Severity Level

Additionally, the top five high-risk hosts and top five vulnerabilities are displayed in Figure 1.



Figure 1: Top Five High-Risk Hosts

For Official Use Only (FOUO)



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# **VALIDATED ARCHITECTURE DESIGN REVIEW (VADR)**



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# Validated Architecture Design Review

**Purpose:** Provides a sophisticated analysis of the asset owner's network architecture, system configurations, log file review, network traffic and data flows which can help to identify anomalous and communications

**Deliverables:** Six weeks after assessment completion, an in-depth report that includes an analysis of key discoveries and practical mitigations for enhancing the organization's cybersecurity posture. Report includes:

- Evaluation of network architecture
- Analysis of network traffic
- System log review and analysis
- Recommendations for improving an organization's operations



# **NETWORK RISK AND VULNERABILITY ASSESSMENTS (RVA) [AKA, PEN TEST ]**



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# Risk and Vulnerability Assessment (RVA)

- Conducts red-team assessments and provides remediation recommendations.
  - Identify risks, and provide risk mitigation and remediation strategies
  - Improves an agency's cybersecurity posture, limits exposure, reduces rates of exploitation, and increases the speed and effectiveness of future cyber attack responses.
- Services Include:

Service	Description
Vulnerability Scanning and Testing	Conduct Vulnerability Assessments
Penetration Testing	Exploit weakness or test responses in systems, applications, network and security controls
Social Engineering	Crafted e-mail at targeted audience to test Security Awareness / Used as an attack sector to internal network
Wireless Discovery & Identification	Identify wireless signals (to include identification of rogue wireless devices) and exploit access points
Web Application Scanning and Testing	Identify web application vulnerabilities
Database Scanning	Security Scan of database settings and controls
Operating System Scanning	Security Scan of Operating System to do Compliance Checks



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# DHS CYBERSECURITY EVALUATIONS - SUMMARY - 1

Name	Cyber Resilience Review (CRR)	Cyber Infrastructure Survey (CIS)	External Dependency Management (EDM) Review	Onsite Cyber Security Evaluation Tool (CSET) Assessment
<b>Purpose</b>	Identify cyber security management capabilities and maturity	To calculate a comparative analysis and valuation of protective measures in-place	To assess the activities and practices utilized by an organization to manage risks arising from external dependencies.	Provides a detailed, effective, and repeatable methodology for assessing control systems security – while encompassing an organization’s infrastructure, policies, and procedures.
<b>Scope</b>	Critical Service view	Critical Service view	Critical service view	Information Technology and Operational Technology systems
<b>Time to Execute</b>	8 Hours (1 business day)	2 ½ to 4 Hours	2 ½ to 4 Hours	Varies greatly (min 2 Hours)/ N/A (self-assessment)
<b>Information Sought</b>	Capabilities and maturity indicators in 10 security domains	Protective measures in-place	Capabilities and maturity indicators across third party relationship management lifecycle domains	Architecture diagrams, infrastructure, policies, and procedures documents
<b>Preparation</b>	Short, 1-hour questionnaire plus planning call(s)	Planning call to scope evaluation	Planning call to scope evaluation	Self-assessment available from web site and utilized locally
<b>Participants</b>	IT/Security Manager, Continuity Planner, and Incident Responders	IT/Security Manager	IT / Security Manager with Continuity Planner and Contract Management	Operators, engineers, IT staff, policy/ management personnel, and subject matter experts
<b>Delivered By</b>	CSAs <a href="mailto:cyberadvisor@hq.dhs.gov">cyberadvisor@hq.dhs.gov</a>	CSAs <a href="mailto:cyberadvisor@hq.dhs.gov">cyberadvisor@hq.dhs.gov</a>	CSAs <a href="mailto:cyberadvisor@hq.dhs.gov">cyberadvisor@hq.dhs.gov</a>	Self-administered/ CSAs <a href="https://ics-cert.us-cert.gov/">https://ics-cert.us-cert.gov/</a>

# DHS CYBERSECURITY EVALUATIONS – SUMMARY 2

Name	Validated Architecture Design Review	Phishing Campaign Assessment (PCA)	Network Risk and Vulnerability Assessment (RVA)	Vulnerability Scanning
<b>Purpose</b>	Provides analysis and representation of asset owner's network traffic, data flows, and relationships between devices and identifies anomalous communications flows.	Measures the susceptibility of an organization's personnel to social engineering attacks, specifically email phishing attacks.	Perform penetration and deep technical analysis of enterprise IT systems and an organization's external resistance to specific IT risks	Identify public-facing Internet security risks, at a high-level, through service enumeration and vulnerability scanning
<b>Scope</b>	Industrial Control Systems/ Network Architecture/ Network Traffic	Organization / Business Unit / Email Exchange Service	Organization / Business Unit / Network-Based IT Service	Public-Facing, Network-Based IT Service
<b>Time to Execute</b>	Variable (Hours to Days)	Approximately 6 Weeks	Variable (Days to Weeks)	Variable (Hours to Continuous)
<b>Information Sought</b>	Network design, configurations, log files, data flows, interdependencies, and its applications	During the phishing assessment click rate metrics are gathered.	Low-level options and recommendations for improving IT network and system security	High-level network service and vulnerability information
<b>Preparation</b>	Coordinated via Email. Planning call(s).	Formal rules of engagement and pre-planning	Formal rules of engagement and extensive pre-planning	Formal rules of engagement and extensive pre-planning
<b>Participants</b>	Control system operators/ engineers, IT personnel, and ICS network, architecture, and topologies SMEs	IT/Security Manager and Network Administrators, end users	IT/Security Manager and Network Administrators	IT/Security Manager and Network Administrators
<b>Delivered By</b>	NCATS <a href="mailto:NCATS_INFO@hq.dhs.gov">NCATS_INFO@hq.dhs.gov</a>	NCATS <a href="mailto:NCATS_INFO@hq.dhs.gov">NCATS_INFO@hq.dhs.gov</a>	NCATS <a href="mailto:NCATS_INFO@hq.dhs.gov">NCATS_INFO@hq.dhs.gov</a>	NCATS <a href="mailto:NCATS_INFO@hq.dhs.gov">NCATS_INFO@hq.dhs.gov</a>

# INFORMATION SHARING



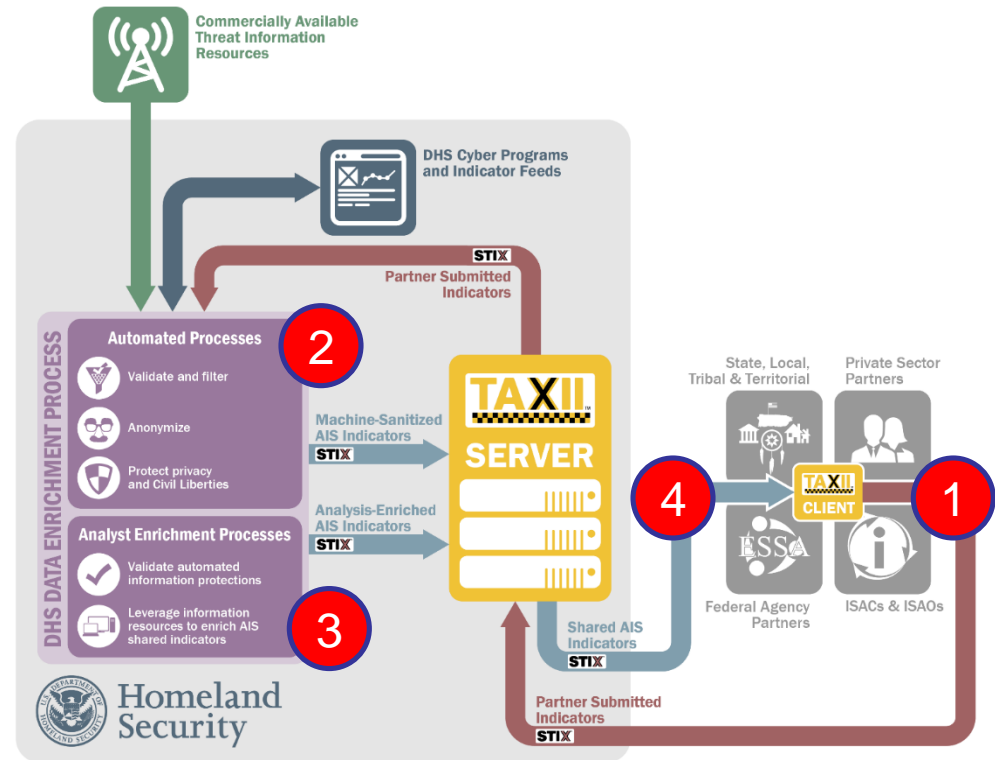
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# Automated Indicator Sharing (AIS)

- The goal of AIS is to rapidly and widely share machine-readable cyber threat indicators and defensive measures at machine-speed for network defense purposes.

1. Entities format cyber threat indicators in STIX and submit via TAXII to DHS server.
2. Server code reviews submission to validate, anonymize (if requested), conduct automated privacy review and enrich.
3. Indicators requiring review go to DHS analysts.
4. Finally, indicators are published back out to everyone connected to the DHS server.



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# Additional Information Sharing Opportunities

- **Cyber Information Sharing and Collaboration Program (CISCP)**

- Enhances cybersecurity collaboration between DHS and critical infrastructure owners and operators, and leverages government and industry subject matter expertise to collaboratively respond to cybersecurity incidents.
- Supports data flow and analytical collaboration to support cyber threat information sharing across each of the 16 CI sectors.
- Program provides participants with a range of timely and actionable products including threat/vulnerability indicators, early warnings and alerts focused on single threats/vulnerabilities expected to impact critical infrastructure, and recommended practices.
- For more information about CISCP, please email [ciscp\\_coordination@hq.dhs.gov](mailto:ciscp_coordination@hq.dhs.gov).

- **DHS's Enhanced Cybersecurity Services (ECS) program**

- Supports voluntary information sharing to assist and improve the protection of critical infrastructure systems from unauthorized access, exploitation, or data exfiltration. The program shares cyber threat information with qualified commercial service providers.
- For more information about ECS, please visit the following url - <http://www.dhs.gov/enhanced-cybersecurity-services>, or email [ECS\\_Program@HQ.DHS.gov](mailto:ECS_Program@HQ.DHS.gov).



# Additional Information Sharing Opportunities:



- The Water ISAC is a non-profit water industry organization that delivers homeland security and preparedness information, including that regarding cybersecurity, to water and wastewater utilities and the government personnel who support them.  
Website: [www.waterisac.org](http://www.waterisac.org).



- As part of Executive Order (EO) 13636, the Department of Homeland Security (DHS) developed the Critical Infrastructure Cyber Community Voluntary Program (C<sup>3</sup>VP).
- C3VP helps improve critical infrastructure cybersecurity and encourages organizations to adopt the National Institute of Standards and Technology (NIST) Cybersecurity Framework.

[us-cert.gov/ccubedvp](https://us-cert.gov/ccubedvp)





## Contact Information

### General Inquiries

[cyberadvisor@hq.dhs.gov](mailto:cyberadvisor@hq.dhs.gov)

### C3VP:

[us-cert.gov/ccubedvp](http://us-cert.gov/ccubedvp)

## DHS Contact Information

**Tara Brewer**

[Tara.brewer@hq.dhs.gov](mailto:Tara.brewer@hq.dhs.gov)

Cell 202-875-3489

**Department of Homeland Security**  
*National Protection and Programs Directorate*  
*Office of Cybersecurity and Communications*

# Upcoming WaterISAC Events and Opportunities

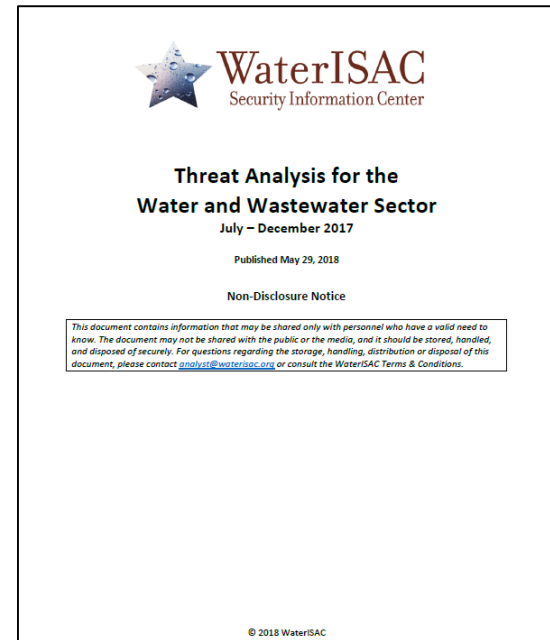
## Monthly Cyber Threat Web Briefing

- Wednesday, July 25, 2018; 2:00 - 3:00 PM ET

*Check the Events listing at WaterISAC and in the Pro Updates.*

## Semi-annual Water Sector Threat Analysis (January – June 2018)

- Survey will be active later today
- All survey respondents receive a copy



# Thank You

## WaterISAC Contact Information:

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