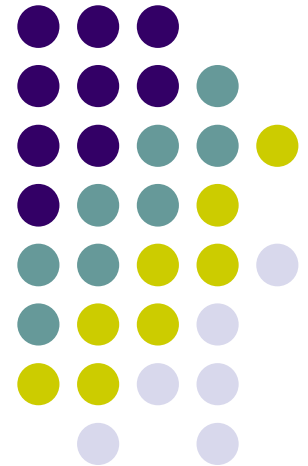




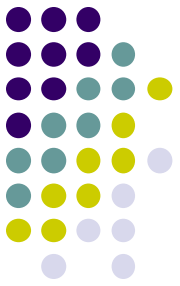
# Cybersecurity Working Group FY2021 EFCOG Annual Meeting



Bridgitte Mase  
Boston Government Services, LLC  
Working Group Chair  
June 9, 2021

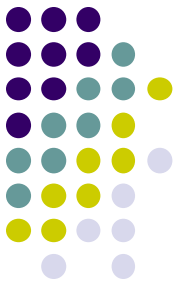


# Cybersecurity Management Working Group



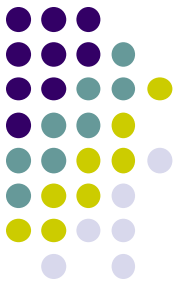
- CSWG Leadership:
  - Bridgitte Mase, Chair, Boston Government Services
  - Joe Bonner, Vice Chair, Northwind
  - DOE Liaisons
    - Jeanne Beard, DOE EM
    - Emery Csulak, DOE OCIO
  - EFCOG Sponsoring Director
    - TBD

# CSWG



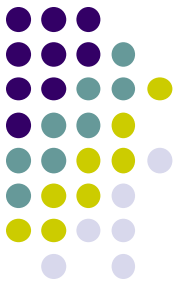
- Subgroups currently being developed:
  - Industrial Control Systems Security
  - Cloud Security
  - Risk Management & Governance
  - Technologies and Tools

# Cybersecurity Since COVID



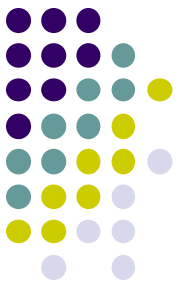
- Last year – worst year on record for cybersecurity incidents, especially those aimed at national security, critical infrastructure, and data exfiltration
- Most recent high-profile attack on the U.S. gas pipeline
- Employees have a 24x7 relationship with the Internet now whether via mobile devices, IoT devices, etc. and the potential for personal and business to mix is a reality – extended threat landscape
- In 2020, average cost of a single data breach was estimated at \$10M in the U.S.

# What Can We Do?



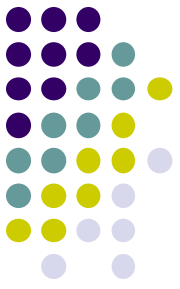
- Ensure corporate infrastructure utilizes NIST 171/CMMC practices to protect federal contract information (FCI)
- Assume you are target and remain vigilant
- Follow basic security best practices such as:
  - Patching
  - Virus scanning software
  - Endpoint firewalls
  - Information segmentation
  - Vulnerability Scanning
  - Multi-factor Authentication
  - Cybersecurity Awareness Training
  - Encryption
  - Backup data

# Supporting EFCOG Strategic Initiatives

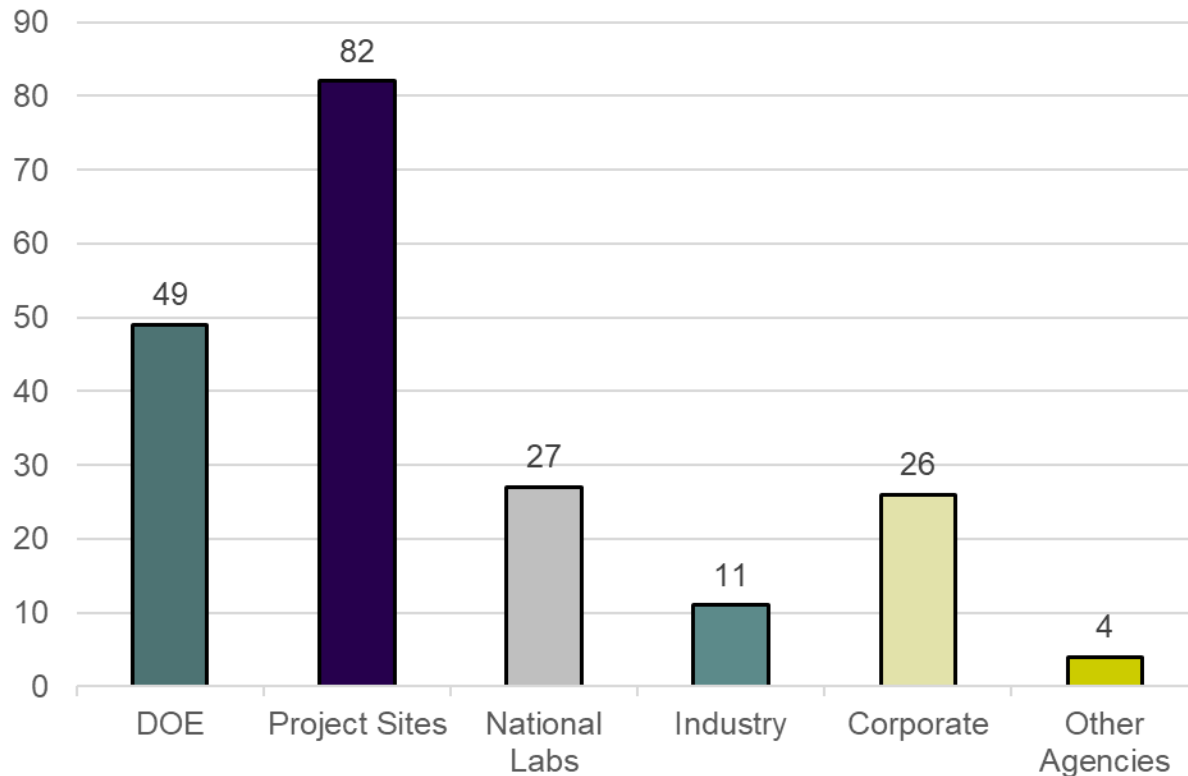


- CSWG organizations are focused on supporting continued operations at DOE sites and DOE Headquarters.
- During COVID, CSWG organizations continued working to facilitate secure and effective remote work capabilities, reduce risks, and to support effective incident response with increasing threats.
- The group continues to collaborate and share lessons learned and best practices to support secure operations.

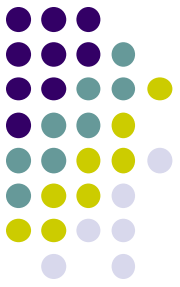
# FY21 Key Achievements



- Conducted the 1<sup>st</sup> Annual Cybersecurity Working Group Virtual Conference to align with Cybersecurity Awareness Month (3 days)
  - 199 Registered Attendees



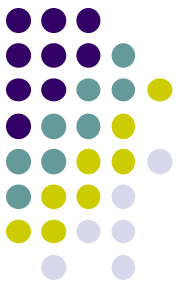
# FY21 Key Achievements (cont.)



- Established a Secure CSWG Collaboration Site on in the GovCloud
- Created an Online Cybersecurity Training Campaign with Continuing Education Unit (CEU) credits to support professional certification requirements.
  - Partnered with InfoSec for content
  - 139 attendees completed an average of 8.2 hours of training
- Initiated the “Top 10” Series for Cybersecurity<sub>8</sub> Best Practices

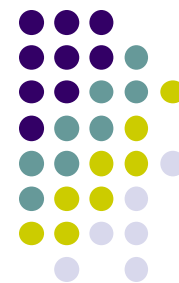


# CSWG Dashboard – FY21 Work Plan



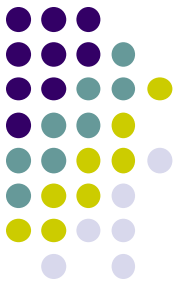
Focus Area/ Activity	Deliverables	Accomplishments
<b>Cybersecurity Awareness and Collaboration</b>		
Increase Cybersecurity Awareness (ongoing)	Distribute or publish non-sensitive cybersecurity awareness materials for distribution/publication	Cybersecurity awareness training was published daily on during Cybersecurity Awareness month
	Create high level Cybersecurity awareness training material to provide to EFCOG members who wish to attend	<ul style="list-style-type: none"> <li>• Partnered with key Cybersecurity vendor (Infosec) to obtain training documentation</li> <li>• Cybersecurity Awareness Course under development</li> </ul>
	Offer course in an online forum, and record for playback for anyone who was unable to attend who may want to view later	<ul style="list-style-type: none"> <li>• Coursework offered online to be completed at any time</li> <li>• Tracked CEU credits</li> <li>• Provided CEU certificates</li> </ul>
	Provide an online Cyber Awareness Workshop in the month of October as part of Cybersecurity Awareness Month	<ul style="list-style-type: none"> <li>• CSWG Workshop completed October 27-29, 2020</li> <li>• 2021 CSWG Workshop currently Scheduled for October 19-21, 2021</li> </ul>
Enhance Cybersecurity collaboration capabilities	Create collaboration forum for sharing moderate level data in secure location with multi-factor authentication controls	A secure collaboration forum was established in Azure GCC High

# CSWG Dashboard – FY21 Work Plan



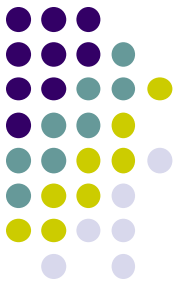
Focus Area/ Activity	Deliverables	Accomplishments
<b>Cybersecurity Best Practices</b>		
Develop best practice for creating authorization packages (C&A)	Create C&A package creation checklist	Developed C&A Package Checklist
	Create C&A templates for package items	C&A Package templates are under development for moderate controls initially
Develop best practices for ensuring compliance in handling government data or corporate information systems	Develop “handling and protecting government data on corporate information systems” best practice document	Under development
Create a master list of cybersecurity best practice documents that as needed to facilitate an improved cybersecurity posture	Develop Cybersecurity Best Practice Handbook	Under development
	Work with team members and parallel teams with similar concerns, such as the Security Working Group to collaborate on documents needed that will support overall improvements	The Safeguards and Security Working Group Lead participated in the CSWG Workshop and initial topics discussed. Work in this area continues.

# CSWG Dashboard – FY21 Work Plan



Focus Area/ Activity	Deliverables	Accomplishments
<b>Subgroup Subject Areas (Industrial Control Systems, IoT/Smart Technology, Risk Management, etc.)</b>		
Establish Sub Working Groups for each subgroup area	Establish subgroup membership	<ul style="list-style-type: none"> <li>Initial group membership established for the ICS Working Group</li> <li>Remainder subgroups in process - Targeted for completion 4<sup>th</sup> quarter</li> </ul>
	Establish subgroup leadership	<ul style="list-style-type: none"> <li>ICS Subgroup Leader set</li> <li>Remainder subgroups in process - Targeted for completion 4<sup>th</sup> quarter</li> </ul>
Common issue identification for Sub Working Groups	Identify common issues	In process - Issues being collected
	Identify cross-cutting issues	In process - Issues being collected
Establish Sub Working Groups Best Practices	Determine best practice guide topics	Initial best practice guide topics created
	Create best practice guides	In process

# FY 2022 Upcoming Focus Areas and Planned Achievements



- Continue launching subgroups, establishing leadership, evaluating key topics, defining objectives
- Enhance collaboration with other EFCOG Working Groups
- Conduct the next Annual CSWG Workshop to align with key issues and strategies
- Increase cybersecurity education information for all EFCOG members
- Establish White Papers to help facilitate the “top 10” series topics
- Evaluate common tools in use to support cybersecurity requirements for compliance and pros/cons
- Initiate SME library for EFCOG members to reach out to SME’s of specific Cybersecurity topic areas with questions
- Quarterly Cyber Updates to EFCOG members