



PROJECT SPECTRUM

# Securing the Defense Industrial Base One Small Business at a Time

Mr. Kareem Sykes, Project Spectrum  
Industry & Engagement Program  
Manager

November 2, 2023

# CURRENT CYBER THREAT LANDSCAPE



Statistics as of August 2023:

- Small businesses comprise more than 70% of the Defense Industrial Base (DIB)
- 25% of DoD prime contracts are awarded to small businesses
- Nearly 43% of all cyberattacks target small- and medium-sized businesses



# WHY SMALL BUSINESSES ARE TARGETED



Access to sensitive government information



Intellectual property



Connection with larger defense contractors



Focused on production and meeting deadlines, not 'extraneous' activities like cybersecurity



Limited cybersecurity resources due to funding; ill-prepared to handle cyberattacks

# THE ROLE OF THE FEDERAL GOVERNMENT



- Strengthen cybersecurity best practices at every stage
  - ✓ Design, acquisitions, development, production, and distribution
- Adversaries strike at every phase of the life cycle
- Companies must ensure the supply chain is secure
  - ✓ Comply with government mandates and requirements



# CMMC 2.0 AND SELF ASSESSMENTS

CMMC 2.0 model authorizes **self-assessment** for Levels 1 and 2

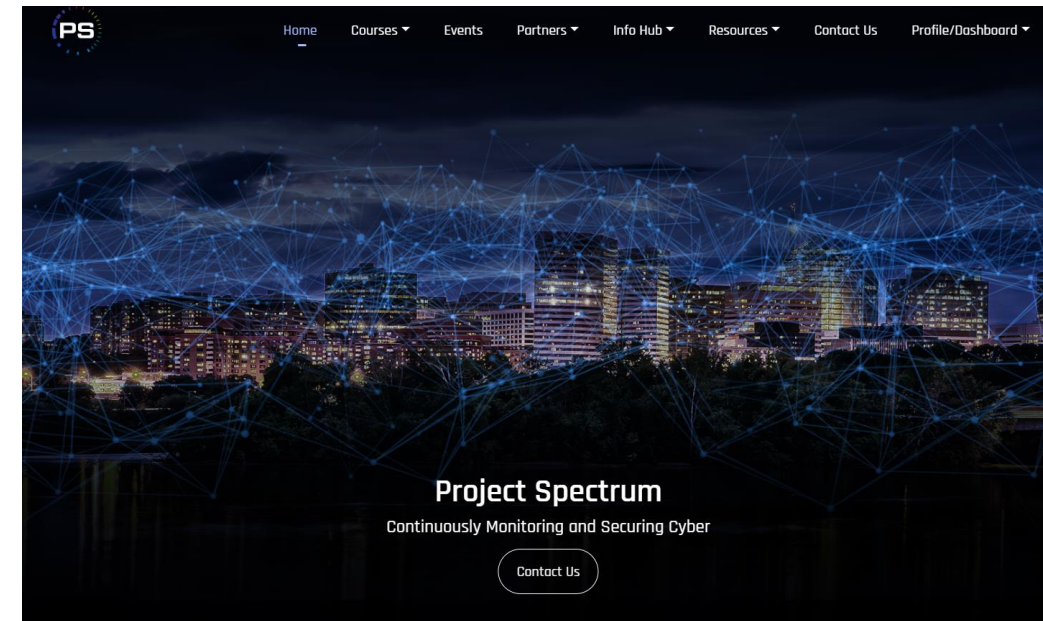
- CMMC Level 1: *Annual self-assessment* for contractors that handle FCI
- CMMC Level 2: Depends upon the handling of CUI
  - Split-a: *Annual self-assessment* for CUI non-prioritized acquisitions
  - Split-b: *Triennial (every 3-years) third-party assessment* for CUI prioritized acquisitions
- CMMC Level 1 and Level 2 self-assessments must be submitted via Supplier Performance Risk System (SPRS)



# CYBERSECURITY FOR SMALL BUSINESSES AND THE DIB



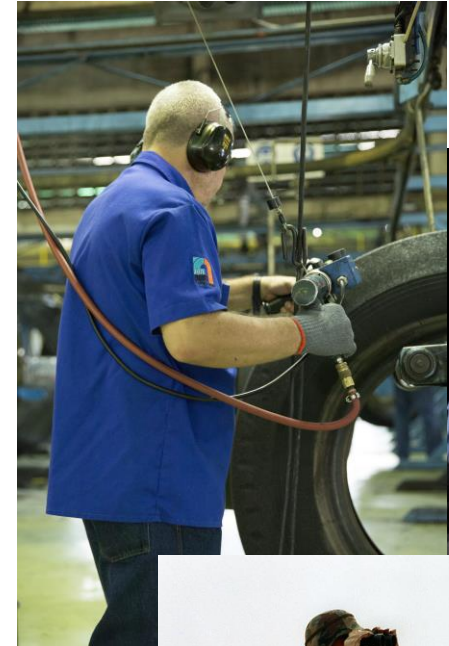
- DoD-supported initiative through the Office of Small Business Programs (OSBP)
- Provides a comprehensive, cost-effective platform of cybersecurity information, resources, tools, and training
- Mission is to improve the cybersecurity readiness, resilience, and compliance of small/medium-sized businesses and all DIB companies



# INNOVATION, CYBERSECURITY, AND COMPLIANCE



- Project Spectrum was developed to help small businesses increase compliance with cybersecurity standards and meet federal contracting guidelines and requirements
- All resources are available at *no cost to the user*
- Improving cybersecurity can protect a small business' data, revenue, reputation, and intellectual property
- Increased cybersecurity throughout the small business community can protect the supply chain and our national security



# PROJECT SPECTRUM SERVICE OFFERINGS



- Team of Specialized Cyber Advisors
- In-house Developed Cybersecurity Training Program
- Self-Assessments for CMMC and NIST Cybersecurity Protocols
- Strategic Partnerships and Mentor-Protégé Program (MPP) Pilot
- Community Outreach & Engagement
- Cybersecurity Tool Development





# Project Spectrum Partnerships with Military Services



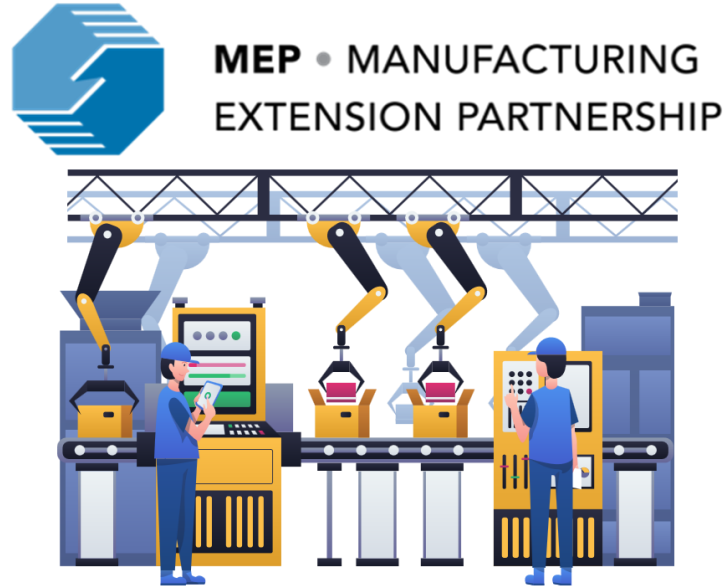
# Project Spectrum Collaborations



# Project Spectrum Collaborations



**CYBERSECURITY  
HYGIENE AND TRAINING**



**SELF-DIRECTED  
CYBERSECURITY PLATFORM  
FOR MANUFACTURERS**



**APPLICABLE TO  
ALL SMALL BUSINESSES**



Cyber Readiness Checks determine baseline cybersecurity levels based upon leading compliance standards:

- **CMMC Level 1** focuses on protecting FCI through basic safeguarding requirements specified in 48 CFR 52.204-21 ('the FAR Clause')
- **CMMC Level 2** focuses on protecting CUI through 110 security requirements specified in NIST SP 800-171 Rev 2
- **NIST 800-171** provides recommended security requirements for protecting CUI confidentiality and applies to non-federal systems and organizations that process, store, and/or transmit CUI

Project Spectrum provides diverse expertise and resources:

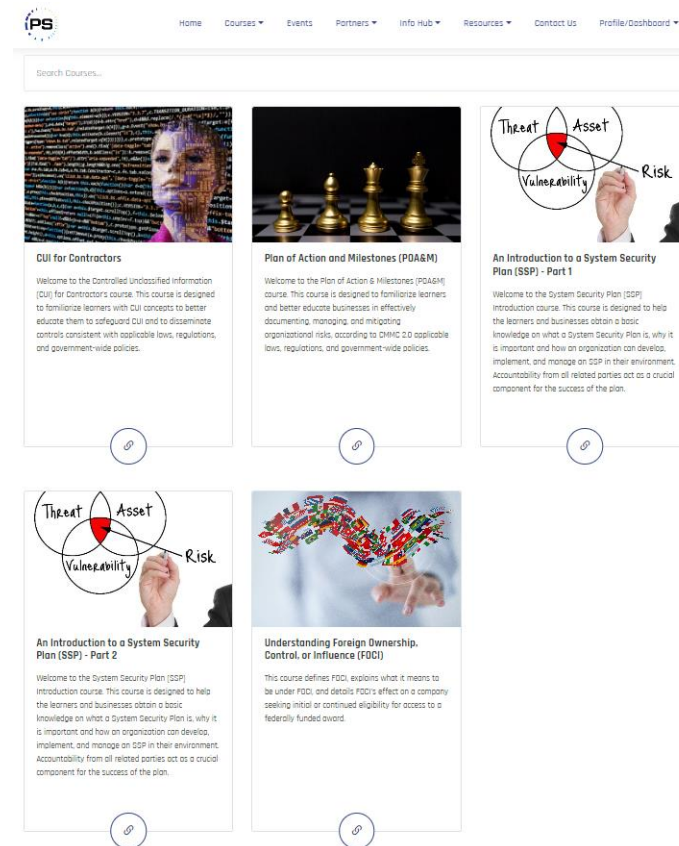
- Compliance Assistance: Security Gap Analyses, Security System Plan (SSP) Assessment & Development, Plan of Action and Milestones (POAM) Assessment & Development, Security Enclave Design & Architecture Assessment
- Cyber Advisory & Research Services: Technical Inquiries, MPP Cyber Pilot, Tool Research & Development
- Education & Training: Content Creation, Compliance Training
- Communications & Outreach: Blogs, Webinars, Videos

# BEST-IN-CLASS CYBERSECURITY TRAINING AND RESOURCES



Project Spectrum has developed a robust cybersecurity training program built upon a proprietary Learning Management System:

- Full Scope Training courses focused on: CUI for Contractors, Plan of Actions & Milestones, CMMC Level 1, and Systems Security Plan Fundamentals
- 26 'micro-courses' that provide training on core CMMC controls
- DIY tools enabling companies to conduct self-assessments against NIST and CMMC standards



# CUSTOMIZED USER DASHBOARD



Cyber Readiness Review

Your Activities

Your Organizational  
Activities

## Cyber Readiness Check Progress

NIST 800-171 Progress

100%

[Return to 800-171 Assessment](#)

CMMC Level 1 Progress

100%

[Return to CMMC L1 Assessment](#)

CMMC Level 2 Progress

100%

[Return to CMMC L2 Assessment](#)

CMMC Level 3 Progress

100%

## Cyber Readiness Check Results (800-171)

Project Spectrum has applied your Cyber Readiness Check responses to the NIST SP 800-171 standards. The highest score is 110, which reflects full implementation of all 110 controls in NIST 800-171.

NIST 800-171 Score: 110



[History](#)

Read the [NIST SP 800-171 DoD Assessment Methodology](#) document for more information.

## Cyber Readiness Check Results (CMMC)

CMMC Level 1 Score: 100%



[History](#)

CMMC Level 2 Score : 100%



[History](#)

CMMC Level 3 Score: 99%



[History](#)



## Search and Filter

Search by Name:

Catagories:

Tool Created By:

Training Resource Type:

Paid  Free

Price Range:

## Products

The Project Spectrum Tools Review section offers an independent, third-party assessment of various cybersecurity-related platforms prepared by our cyber advisors. These reviews are vendor-agnostic and should not be interpreted as an endorsement for any product or platform. If you have questions or concerns, please contact our [Outreach Team](#) for assistance.

Compare Products

Select up to 5 tools to compare.

Tool	Creator	Category	Price	Details	Compare
K2 Compliance	Etactics	Compliance Management	\$1-\$5,000	<a href="#">Read More</a>	<a href="#">Compare</a>
Splunk	Splunk	Security Information and Event Management SIEM	\$1-\$5,000	<a href="#">Read More</a>	<a href="#">Compare</a>
DNSTwist	Marcin Ulikowski	Email	Free	<a href="#">Read More</a>	<a href="#">Compare</a>
Blanco	Blanco	Data Destruction Solution	\$1-\$5,000	<a href="#">Read More</a>	<a href="#">Compare</a>
Dragos ICS	Dragos	Vulnerability Scanning Solution	\$5,001-\$10,000	<a href="#">Read More</a>	<a href="#">Compare</a>
W3AF	Andres Riancho	Application Security Testing (DevOps)	Free	<a href="#">Read More</a>	<a href="#">Compare</a>





# THE NEED FOR FOCI EDUCATION AND PROTECTION



- FY 2023 NDAA Section 875 requires DoD to establish a program that demonstrates “commercial due diligence tools, techniques, and processes” to help small businesses identify “attempts by malicious foreign actors to gain undue access to, or foreign ownership, control, or influence over the business”
- Estimates show ~50% of espionage within U.S. manufacturing is due to some sort of FOCI
- Project Spectrum’s FOCI training course covers the basics of identifying FOCI, evaluating FOCI impact, and reducing FOCI risks

# CYBERSECURITY PILOT PROGRAM FOR DOD MENTOR-PROTÉGÉ PROGRAM PARTICIPANTS



- Cybersecurity for Defense Industrial Base Mentor-Protégé Program (MPP) Pilot helps eligible small businesses improve cybersecurity compliance, hygiene, and cyber incident reporting
- Companies that successfully complete the MPP Pilot:
  - ✓ Show increased awareness of, and compliance with, NIST SP 800-171 and NIST SP 800-172
  - ✓ Demonstrate readiness for Cybersecurity Maturity Model Certification (CMMC) accreditation
  - ✓ Maintain the health and security of users, devices, networks, and data
  - ✓ Share best practices among the DoD small business community



# NEXT-GEN CYBERSECURITY TOOL DEVELOPMENT



- Project Spectrum's suite of next-generation tools will be used to prevent cyber threats and protect data



## **DECEPTION TECHNOLOGY**

Generates realistic threat data, trains intrusion detection capabilities, and mitigates risk to systems/networks



## **SECURE CLOUD ENVIRONMENT**

Provides secure storage, processing, and transmission of CUI through a virtual desktop



## **VISUAL NETWORK MAPPING**

Vulnerability assessment tool that maps and replicates manufacturing networks and processes



## **POLYMORPHIC ENCRYPTION**

Protects sensitive data at rest and can be adapted to protect data in motion based on user-specified conditions

# PROJECT SPECTRUM DIFFERENTIATORS



How Project Spectrum differentiates itself from similar service providers:

- **World-class team of cyber advisors** from the small business cybersecurity realm
- **Expert cybersecurity practitioners** who have proven government and/or industry experience
- **Sponsored and endorsed by DoD OSBP**
- **Self-paced tools, training, and resources** for novices and experts alike
- Services provided at **no cost to the user**



# INNOVATION, CYBERSECURITY, AND COMPLIANCE



- Project Spectrum can help small businesses increase compliance with cybersecurity standards and meet federal contracting guidelines and requirements
- All tools, training, and resources are available at no cost to the user
- Improving cybersecurity can protect a small business' data, revenue, reputation, and intellectual property
- Increased cybersecurity throughout the small business community can protect the supply chain and our national security



# HOW TO CONNECT WITH PROJECT SPECTRUM



- Visit <https://projectspectrum.io> and register for your FREE account
  - Begin your self-assessment to establish your baseline
  - Access the PS comprehensive suite of tools, training, and resources
- Email the PS Outreach and Cyber Advisory teams
  - Contact [outreach@projectspectrum.io](mailto:outreach@projectspectrum.io)
- Follow PS on social media
  - LinkedIn, Twitter, and YouTube
- Check the PS calendar of events on our website for upcoming presentations, webinars, etc.





PROJECT SPECTRUM

**Thank you for your  
time and attention**

Project Spectrum Briefing