

# DoD Office of Small Business Programs

## USD (A&S)



## DoD Mid-Atlantic Regional Council Summer 2020 Workshop



# Small Business Office Accomplishments



Small Business Outreach Events

**5,300**



Small Businesses Trained

**54,000**



Small Business Training Week

May 2019



DoD Small Business Awards  
**\$160 Billion**

(Prime/Sub)  
FY 2019

Small Business Cybersecurity Trainings

**7,000+**



Small Business Jobs Created

**654,000**



Small Business Strategy



SBA Procurement Scorecard



(FY 2014-2018)



# DoD Small Business Performance FY 2019



Small Business Eligible Dollars

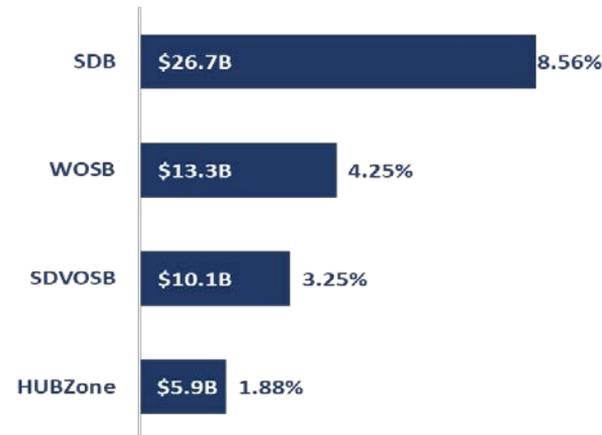
\$312,233,095,170

Small Business Dollars

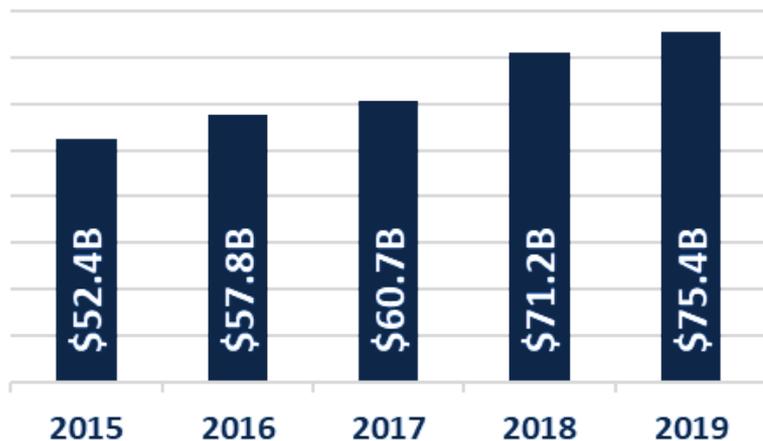
\$75,422,792,714

Small Business Achievement / Goal

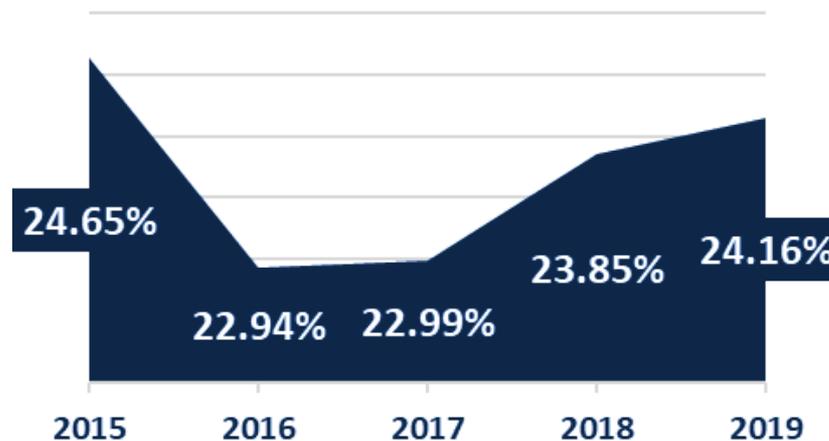
24.16% / 21.80%



5 Year Prime SB \$



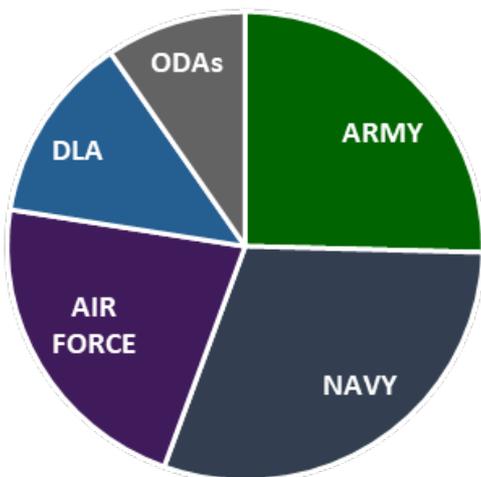
5 Year Prime SB Achievement





# DoD Component \$ by Category FY 2019

	Total \$		
<b>ARMY</b>	\$75.8B	\$22.1B	29.18%
<b>NAVY</b>	\$89.8B	\$16.8B	18.66%
<b>AIR FORCE</b>	\$65.5B	\$13.0B	19.77%
<b>DLA</b>	\$38.5B	\$15.0B	38.87%
<b>ODAs</b>	\$28.5B	\$6.8B	23.87%



**DoD Obligations  
by Component**



# Project Spectrum Initiative

- Under the authority of NDAA 2019 Sec. 1644: Assistance for small manufacturers in the defense industrial supply chain and universities.
  - (a) DISSEMINATION OF CYBERSECURITY RESOURCES.
  - (b) VOLUNTARY CYBERSECURITY SELF-ASSESSMENTS.
  - (c) TRANSFER OF RESEARCH FINDINGS AND EXPERTISE.
  - (d) DEFENSE ACQUISITION WORKFORCE CYBER TRAINING PROGRAM.
  - (e) ESTABLISHMENT OF CYBERSECURITY FOR DIB MANUFACTURING.
  - (f) AUTHORITY.--In carrying out this section, the Secretary may use the following authorities: (1) The Manufacturing Technology Program established under section 2521 of title 10, United States Code. (2) .... (3) ... (4) The Small Business Innovation Research program. (5) The mentor-protege program. (6) Other legal authorities as the Secretary determines necessary to effectively and efficiently carry out this section.
- Compliance with existing regulations, DFARS clauses (252.204-7008, 252.204-7012) which requires compliance with NIST SP 800-171, safeguarding of defense-relevant information, and cyber incident reporting.
- Awareness of evolving rules and standards such as the proposed CMMC.



# Project Spectrum

- Project Spectrum events and programs will enhance awareness of cybersecurity threats within the manufacturing, research and development, as well as knowledge-based services sectors of the industrial base.
- Project Spectrum will leverage strategic partnerships within and outside of the DoD to accelerate the overall cybersecurity compliance of the DIB.
- **www.Projectspectrum.io** is a web portal that will provide resources such as individualized dashboards, a marketplace, and Pilot Program to help accelerate cybersecurity compliance .



Outreach



Awareness

Readiness  
Check



Continuous  
Monitoring



Tool  
Prototyping



News &  
Events



Discussion  
Forum

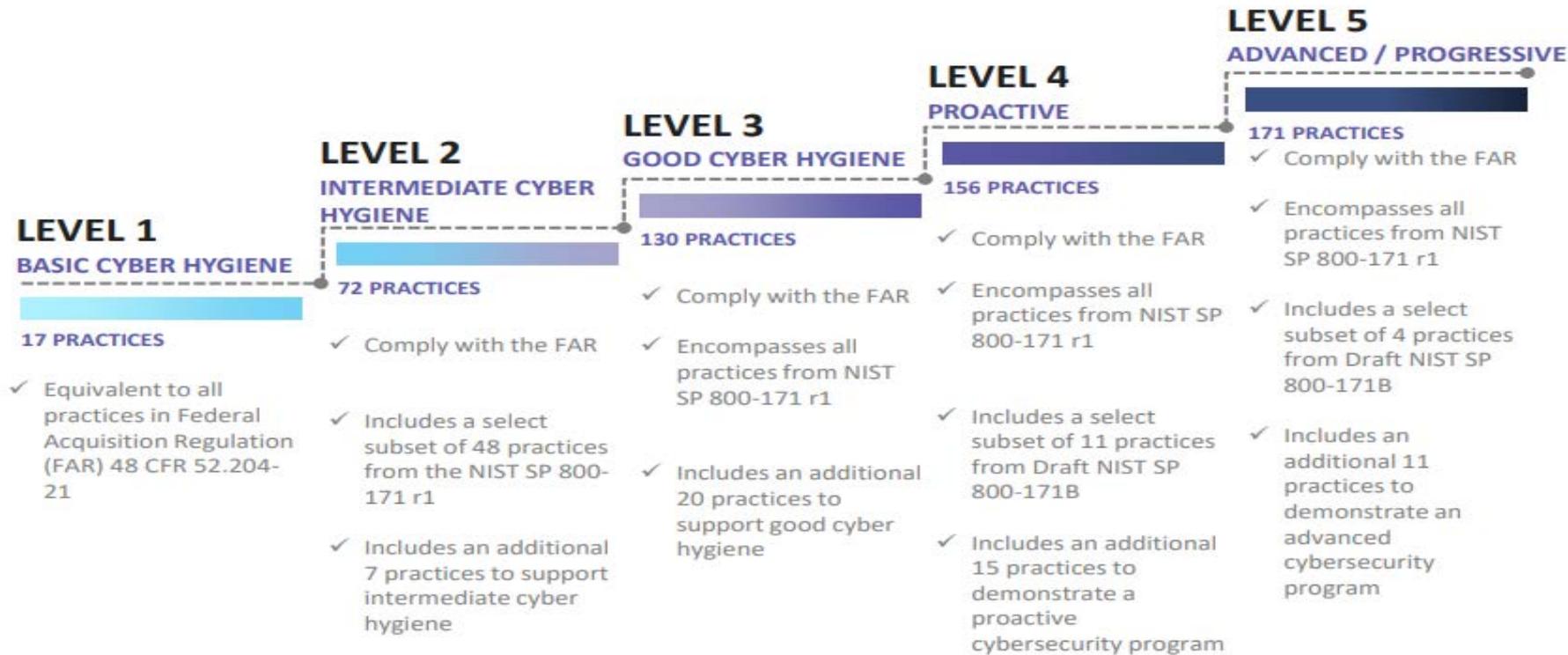


Training  
Modules





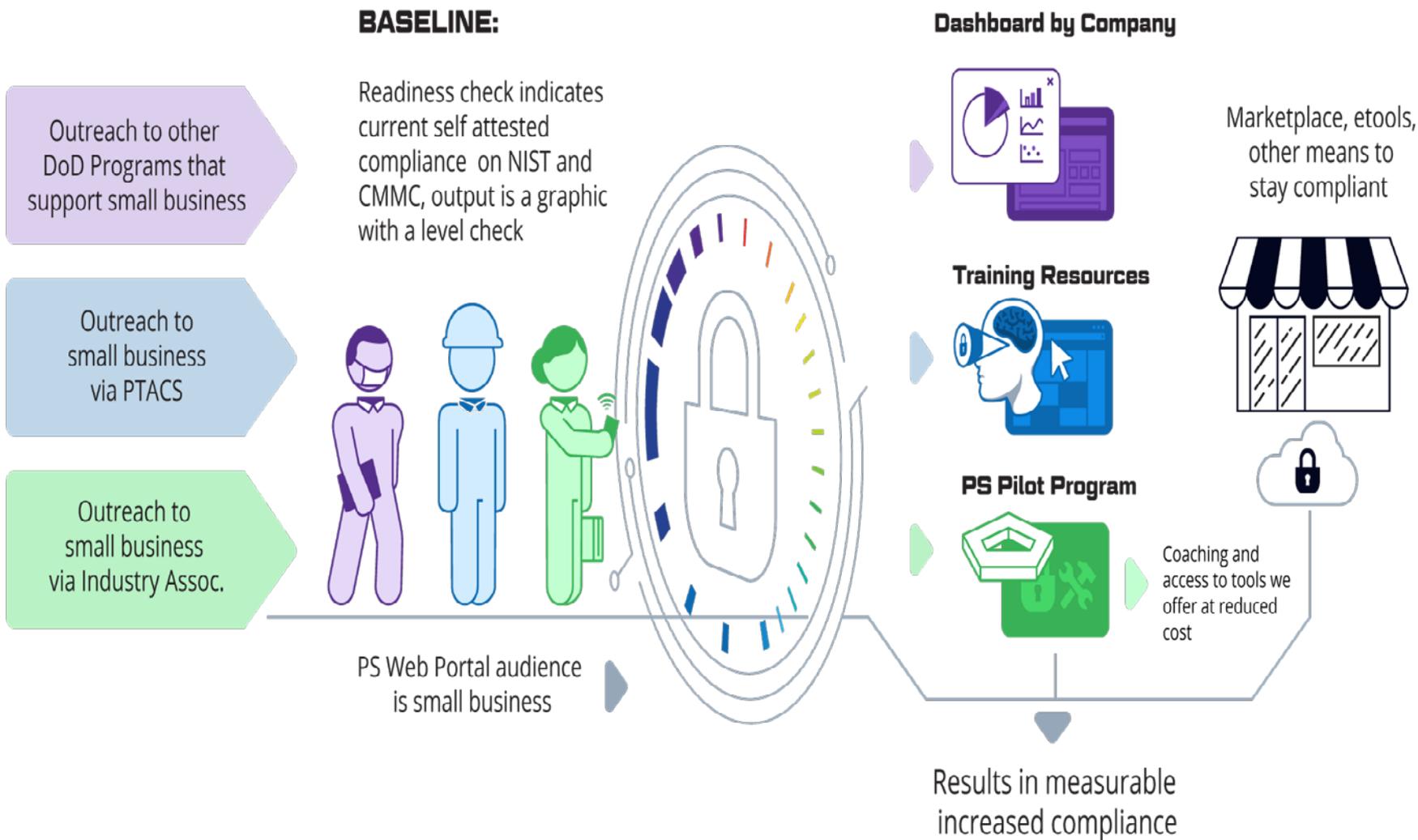
# Cyber Security Maturity Model (CMMC) & NIST 800-171



- “What’s the difference between NIST 800-171 & CMMC?”
- NIST 800-171 compliance practices are all factored into CMMC with industry wide additions at higher levels.
- NIST 800-171 is not going away! It is merely being factored into CMMC



# Project Spectrum Big Picture





# Project Spectrum Partnerships

- Collaborate across industry associations, the Manufacturing Innovation Institutes, and the Mentor-Protégé Program
- Engage partners and infrastructure that already exists and to rapidly stand-up a national capability focused on cybersecurity



U.S. Department of Defense  
MANUFACTURING TECHNOLOGY PROGRAM



# Mentor Protégé Program Industry Partnerships



Booz | Allen | Hamilton



# Cybersecurity Pilot Program Objectives



- Enroll MPP and other select companies
  - Manufacturing, Research and Development, and Knowledge-based services sectors
  - Possess the necessary resources to respond to vulnerabilities identified during the pilot
- Increase MPP participants compliance and cyber incident reporting
- Foster measurable increases in security awareness
- Provide exclusive training, tools, and advisory services to existing and new MPP participants
- Initial cohort of at least 25 companies targeted for enrollment approx. every 120 days
  - Must agree to 24 month collaboration and information exchange with DoD



# PROJECT SPECTRUM FOR MANUFACTURERS



- Manufacturers often use legacy equipment which presents challenges that are harder to patch vulnerabilities and protect from attack.

## Unique issues manufacturers face

- Also manufacturers use OT and IOT plant equipment which requires sensors being placed on the network to gather vulnerability data.
- Often multiple geographic locations.
- Do not have on site IT support staff.

## Benefits to manufacturers

- Cost conscious tools to assess gap vulnerabilities and link to patches
- Vetted Marketplace to find solutions
- Company dashboard to track compliance journey
- Most recent information on cyber issues
- Reduce cost of compliance NIST/MEP



Pilot Program

Training  
Modules



Tool  
Prototyping



Sensors on the network to assess  
vulnerabilities/Compliance  
Management Coach

## FOR RESEARCH AND DEVELOPMENT

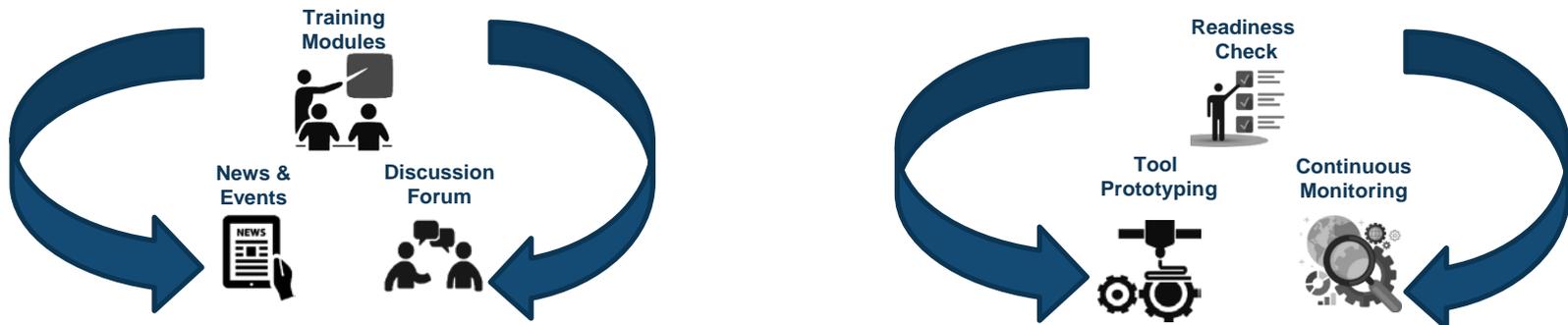
### Who they are: Innovator/Scientist/Researcher/ Startup

- Individual contributors/entrepreneurs
- No company infrastructure
- Limited funding
- Funding largely focused on technology
- Often wholly unaware of DoD acquisition requirements
- Often non-traditional business

### Labs & Corporate Spinouts/ Venture-backed & Mature small businesses

- Often commercial business-oriented
- Cybersecurity posture driven primarily by minimal requirements
- May have limited resources allocated to IP and data protection
- Rich targets for acquisition

# PROJECT SPECTRUM



Designed to address unique R&D performer challenges



# PROJECT SPECTRUM

## FOR KNOWLEDGE BASED SERVICES



### Unique to Advisory and Assistance Services (A&AS):

- Support R&D and Manufacturing sectors
- Number of employees can be as few as one
- Remote environments
- Cloud data
- Varied software platforms
- Need to collaborate into an existing business workflow

	<i>Marketplace of platforms for secure collaboration</i>
	<i>Create cybersecurity awareness</i>
	<i>Community of many for those who are few</i>



# Cybersecurity Pilot Program Outcome



- Pilot companies show measurable increase in security awareness.
- Pilot companies show increase in NIST SP 800-171 compliance.
- Pilot companies demonstrate readiness for CMMC accreditation.
- Best practices shared among DoD small business community.
- Continuous engagement with DoD small businesses for valued services.



# Cyber Security Project Spectrum Initiative Outcome



## EDUCATE



10,000

Individuals trained with Live and Web-Based Training

## INSTILL BEST PRACTICES



100

MPP participants engaged with individualized solutions

## CREATE COMMUNITY



100,000

Active users of web portal

## DEVELOP SOLUTIONS



500

DIB firms using prototype tools



# Summary



- OSBP is working closely with the CMMC Accrediting Body to prioritize NDAA Sec. 1644(f) program participants.
- OSBP is providing preparedness training for future CMMC compliance and a pilot program that seeks to prepare those companies for CMMC certification.
- Project Spectrum will include a vetted, competitive marketplace to assist small businesses with finding local solutions.
- OSBP is approaching this effort understanding cybersecurity is a business calculus for many companies in the defense supply chain.
- OSBP will help companies understand how strong cybersecurity helps protect data and mitigate business risks associated with unsecured networks.