CONTRACTING INFOSEC/ CYBERSECURITY BRIEF

Prepared by the Southwestern Division
Date: 22 Aug 2022

READY / RESPONSIVE / RELEVANT

V2

AGENDA

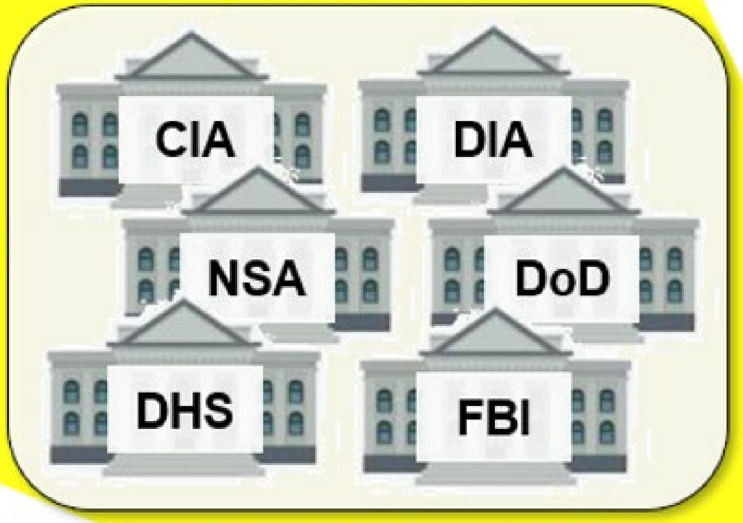
- Key Terms
- History of INFOSEC/ Cybersecurity
- Controlled Unclassified Information (CUI)
- FY19 NDAA Section 889
- National Institute of Standards & Technology (NIST) Scores
- Cybersecurity Maturity Model Certification (CMMC)
- Q & A

KEY TERMS

- **NIST** = National Institute of Standards and Technology
- **SPRS** = Supplier Performance Risk System
- **CUI** = Controlled Unclassified Information
- **CTI** = Controlled Technical Information (a subset of CUI)
- **CMMC** = Cybersecurity Maturity Model Certification
- **FOUO** = For Official Use Only

WHY NOW?

1990s

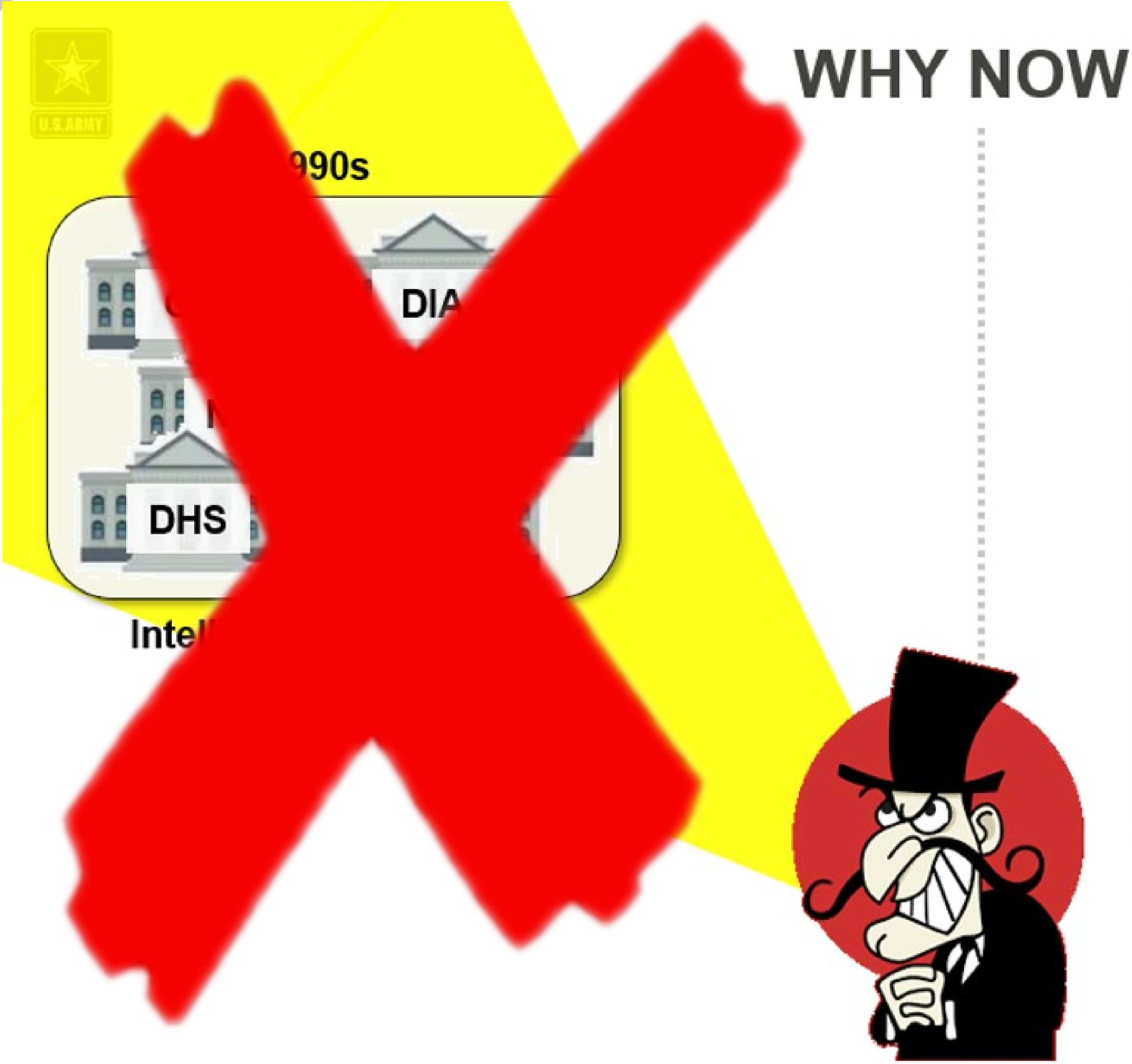


Intelligence Orgs = 17

Today

SWD Contractors = 1800

WHY NOW?



Today

HP
HDR
AECOM
GREAT LAKES DREDGE & DOCK COMPANY, LLC
CLARK CONSTRUCTION
G
Cletus

SWD Contractors = 1800

WHY NOW?

1990s

CIA
DIA
NSA
DoD
DHS
FBI

Intelligence Orgs = 17

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SWD Contractors = 1800

WHY NOW?

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I WANT YOU

To Protect Our Info!

HISTORY OF INFOSEC/ CYBERSECURITY

27 MAY 09 – POTUS memo calling for examination of CUI and Interagency Task Force

04 NOV 10 – POTUS issues Executive Order 13556 Controlled Unclassified Information (CUI)

18 NOV 13 – Final rule passed, NIST SP 800-53, Unclassified Controlled Technical Information

01 AUG 15 – DoD publishes guidance on DFARS Clause 252.204-7012 - Safeguarding Unclassified CTI

26 AUG 15 – Interim rule passed, NIST SP 800-171, Covered Defense Information

30 DEC 15 – Interim rule passes, NIST SP 800-171, Operationally Critical Support

14 SEP 16 – 32 CFR Part 2002 introduces the first legal framework for CUI

21 OCT 16 – Final rule passed, NIST SP 800-171

30 OCT 16 – DFARS 252.204-7012 goes into effect

15 NOV 18 – DoD Memo on implementing CUI

06 MAR 20 – DoD Instruction 5200.48 Established DoD CUI Policy

30 NOV 20 – DFARS interim rule goes into effect requiring NIST score in SPRS to receive awards

04 DEC 20 – Director of National Intelligence requests POTUS kill CUI and EO 13556

31 DEC 20 – Deadline for agencies to issue CUI implementation guidance

01 OCT 25 – CMMC goes into full effect, no award without at least Level 1 certification

RECENT INFOSEC CHANGES / CHALLENGES

OCT ‘16

DFARS Controlled Unclassified Info. (CUI) Clause

DFARS 252.204-7012, Contractors must comply with CUI marking, safeguarding, reporting

SEP ‘19

FY19 NDAA Section 889**a**

No purchases from 5 Chinese firms

SEP ‘20

FY19 NDAA Section 889**b**

No tech anywhere in supply chain from 5 Chinese firms

NOV ‘20

National Institute of Standards and Technology (NIST) Self Evaluation Scores Req’d

Mandatory NIST scores or no contract awards, and protection of all CUI.

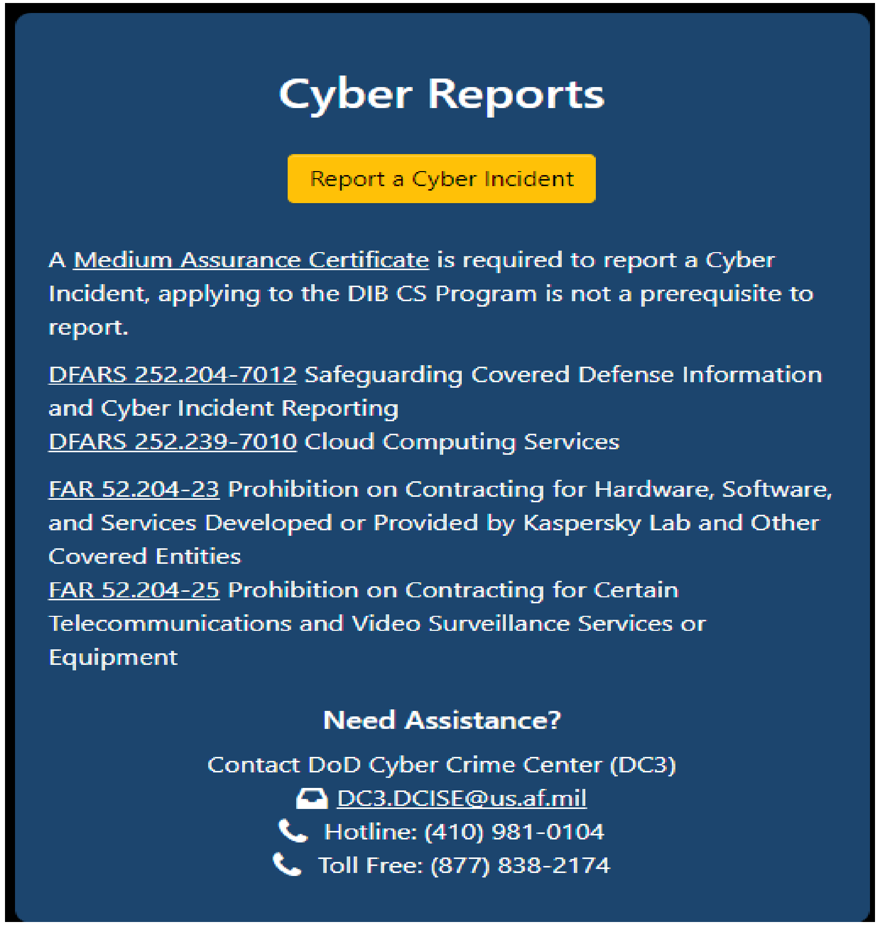
OCT ‘25

Cybersecurity Maturity Model Certification (CMMC 2.0)

Mandatory CMMC certification for all contractors, Levels 1 to 3

CONTROLLED UNCLASSIFIED INFORMATION (CUI)

- Original intent was for CUI to replace For Official Use Only (FOUO) with a streamlined framework.
- CUI is MORE complex than FOUO.
- CUI clause requirements fall into 3 buckets/lines of effort:
  1) **Marking;**
  2) **Safeguarding;** and
  3) **Reporting** CUI/Cyber incidents to DoD.
- DoD Cyber Crime Center is the central node to report cyber incidents.
  - KTRs required to submit cyber incidents to DoD: https://dibnet.dod.mil
  - **Organizations can also report anomalous cyber activity and/or cyber incidents 24/7 to report@cisa.gov or (888) 282-0870.**



Cyber Reports

Report a Cyber Incident

A Medium Assurance Certificate is required to report a Cyber Incident, applying to the DIB CS Program is not a prerequisite to report.

DFARS 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting
DFARS 252.239-7010 Cloud Computing Services

FAR 52.204-23 Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities
FAR 52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment

Need Assistance?

Contact DoD Cyber Crime Center (DC3)
✉ DC3.DCISE@us.af.mil
☎ Hotline: (410) 981-0104
☎ Toll Free: (877) 838-2174

NDAA “SECTION 889”

- 2-part initiative directly related to **5 bad actor Chinese firms** and their products.
- 2019 – Part 1 prohibited contract award to 5 Chinese firms.
- 2020 – Part 2 requires Contractors to certify cyber hygiene for company & their entire supply chain.

SEP ‘19

FY19 NDAA Section 889**a**

No purchases from 5 Chinese firms

SEP ‘20

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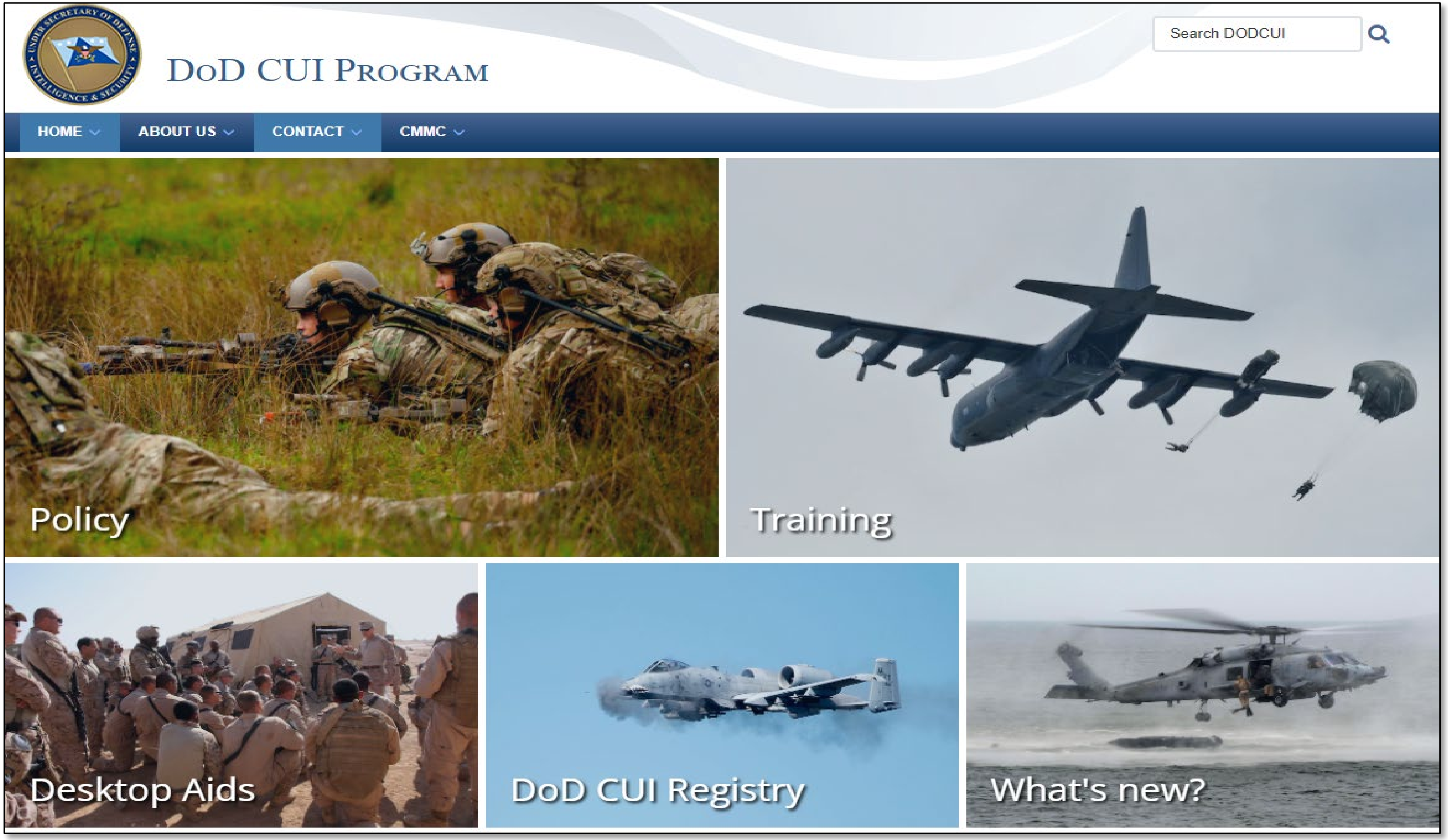
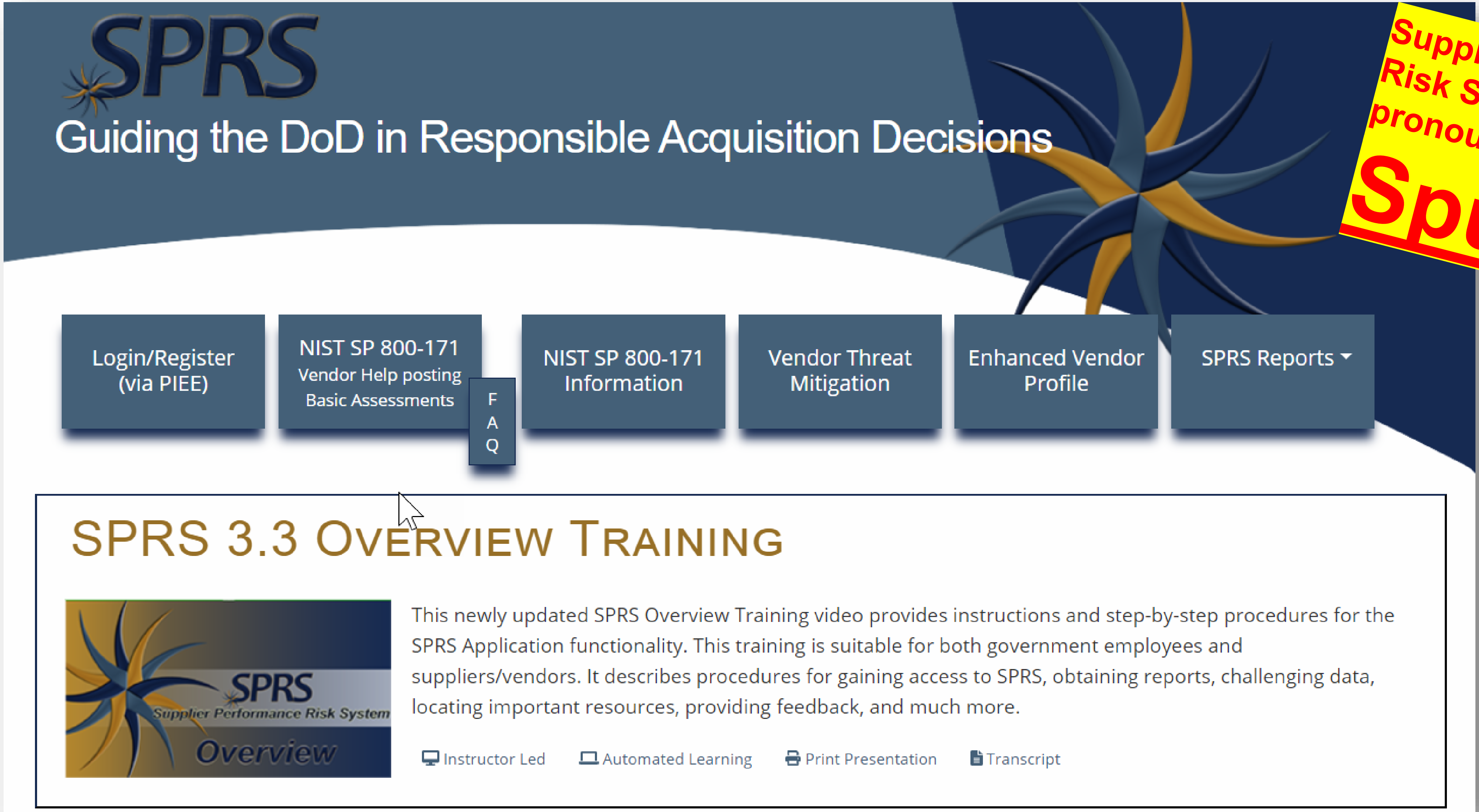
No tech anywhere in supply chain from 5 Chinese firms

WWW.DODCUI.MIL



NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST) SCORES


SPRS
Login/Register (via PIEE)
NIST SP 800-171 Vendor Help posting Basic Assessments
FAQ
NIST SP 800-171 Information
Vendor Threat Mitigation
Enhanced Vendor Profile
SPRS Reports
SPRS Supplier Performance Risk System Overview
Instructor Led
Automated Learning
Print Presentation
Transcript

Guiding the DoD in Responsible Acquisition Decisions

SPRS 3.3 Overview Training

This newly updated SPRS Overview Training video provides instructions and step-by-step procedures for the SPRS Application functionality. This training is suitable for both government employees and suppliers/vendors. It describes procedures for gaining access to SPRS, obtaining reports, challenging data, locating important resources, providing feedback, and much more.

Supplier Performance Risk System, S.P.R.S. pronounced

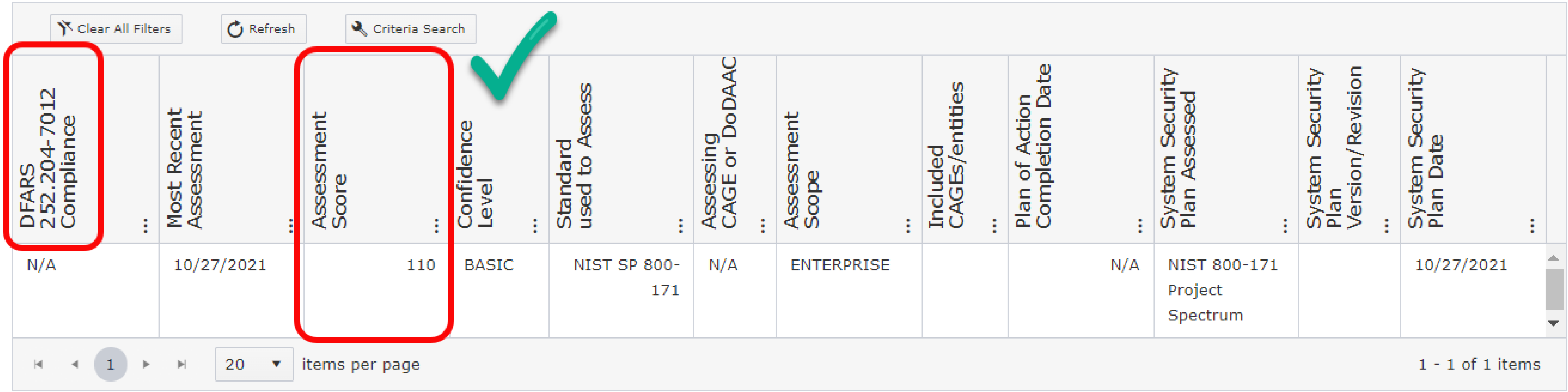
Spurz

SPRS

Supplier Performance Risk System

NIST SCORES STORED IN PIEE/SPRS

Detail View:



DFARS 252.204-7012 Compliance	Most Recent Assessment	Assessment Score	Confidence Level	Standard used to Assess	Assessing CAGE or DoDAAC	Assessment Scope	Included CAGEs/entities	Plan of Action Completion Date	System Security Plan Assessed	System Security Plan Version/Revision	System Security Plan Date
N/A	10/27/2021	110	BASIC	NIST SP 800-171	N/A	ENTERPRISE		N/A	NIST 800-171 Project Spectrum		10/27/2021

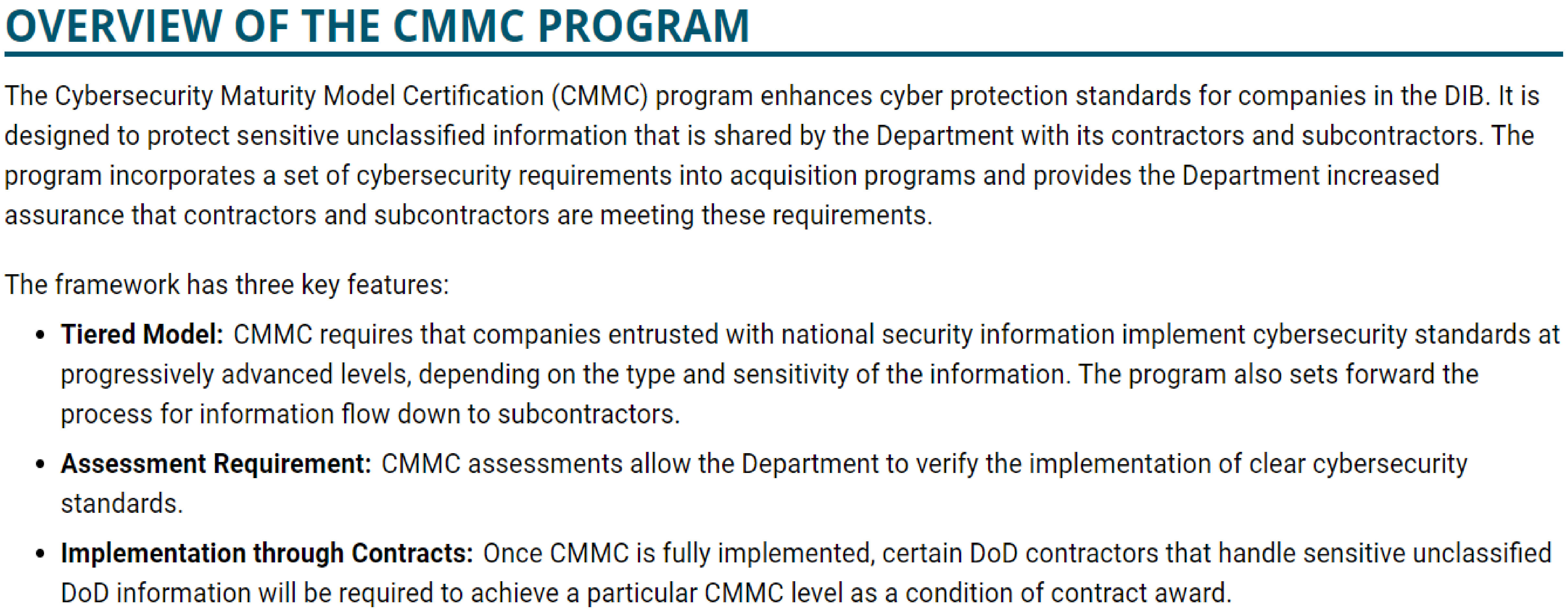
20 items per page

1 - 1 of 1 items

PIEE’S Supplier Performance Risk System (SPRS)

IS WHERE YOUR NIST ASSESSMENT IS COMPLETED

CYBERSECURITY MATURITY MODEL CERTIFICATION (CMMC)



OVERVIEW OF THE CMMC PROGRAM

The Cybersecurity Maturity Model Certification (CMMC) program enhances cyber protection standards for companies in the DIB. It is designed to protect sensitive unclassified information that is shared by the Department with its contractors and subcontractors. The program incorporates a set of cybersecurity requirements into acquisition programs and provides the Department increased assurance that contractors and subcontractors are meeting these requirements.

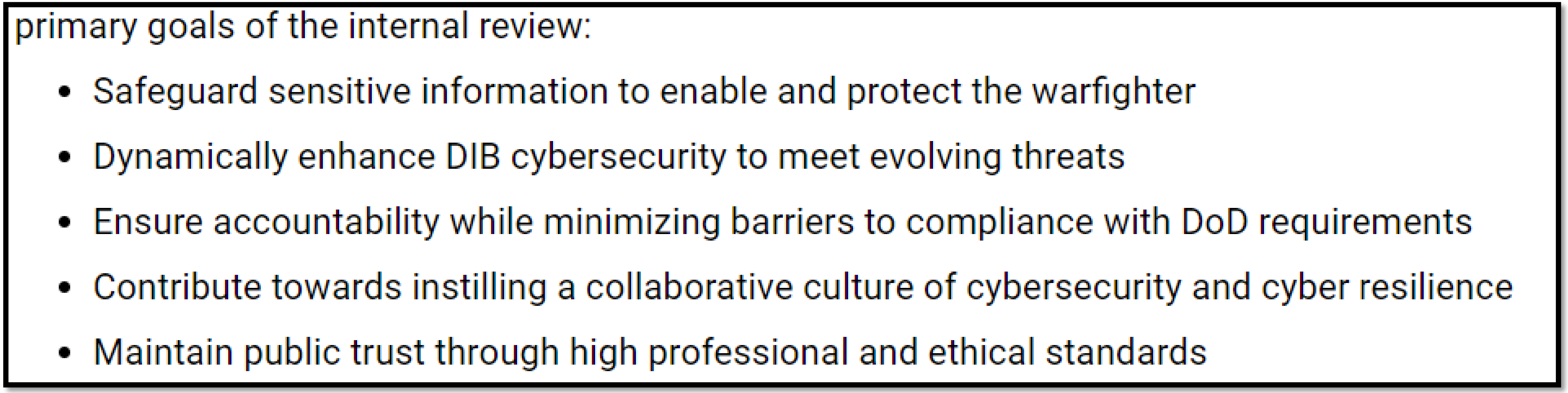
The framework has three key features:

- **Tiered Model:** CMMC requires that companies entrusted with national security information implement cybersecurity standards at progressively advanced levels, depending on the type and sensitivity of the information. The program also sets forward the process for information flow down to subcontractors.
- **Assessment Requirement:** CMMC assessments allow the Department to verify the implementation of clear cybersecurity standards.
- **Implementation through Contracts:** Once CMMC is fully implemented, certain DoD contractors that handle sensitive unclassified DoD information will be required to achieve a particular CMMC level as a condition of contract award.

CYBERSECURITY MATURITY MODEL CERTIFICATION (CMMC)

THE EVOLUTION TO CMMC 2.0

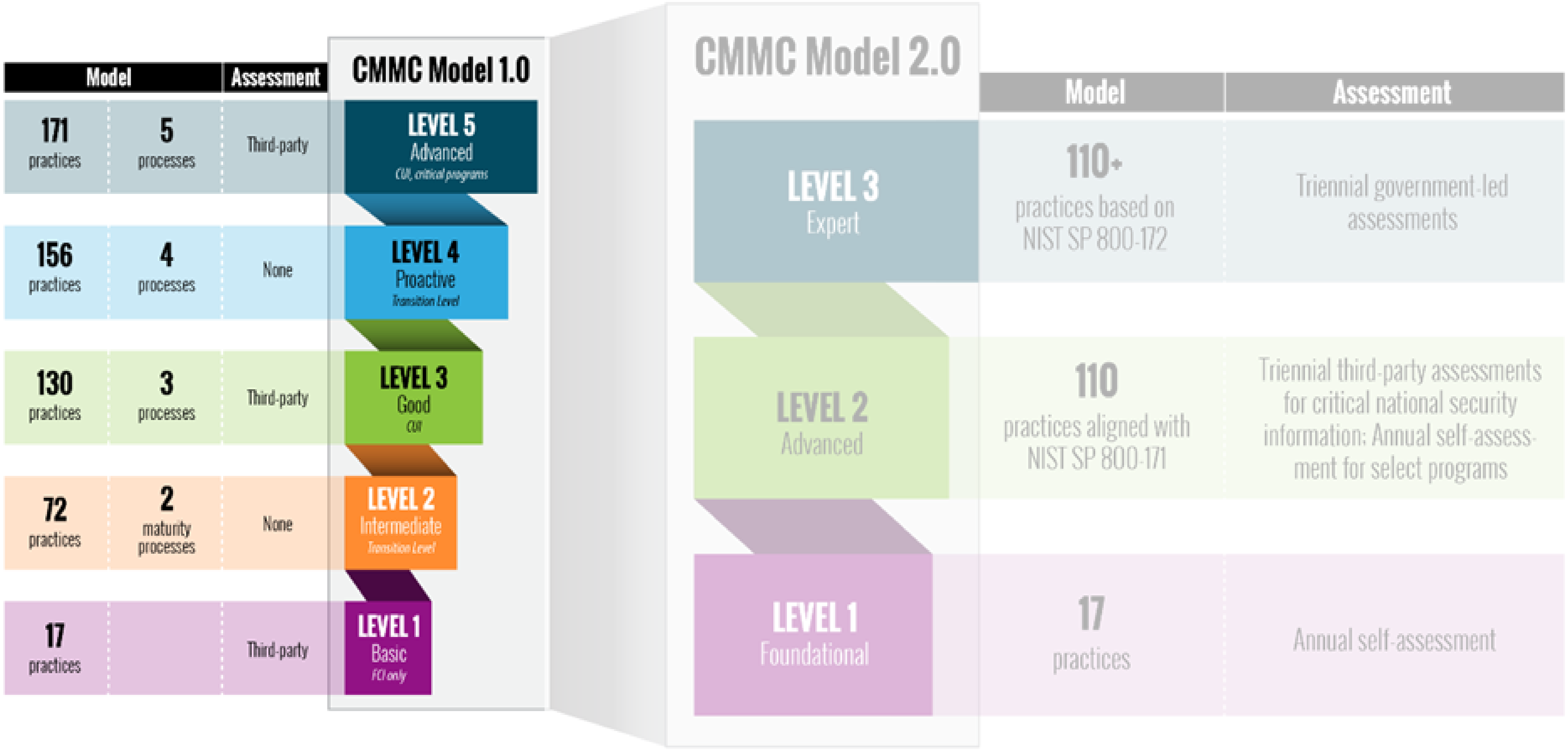
- SEP 20 – DoD published DFARS Interim Rule for CMMC program.
- NOV 20 – Interim rule effective; established 5yr phase-in plan.
- MAR 21 – 850 public comments received on Interim DFARS rule; internal review.
- NOV 21 – CMMC 2.0 updated program structure designed.



primary goals of the internal review:

- Safeguard sensitive information to enable and protect the warfighter
- Dynamically enhance DIB cybersecurity to meet evolving threats
- Ensure accountability while minimizing barriers to compliance with DoD requirements
- Contribute towards instilling a collaborative culture of cybersecurity and cyber resilience
- Maintain public trust through high professional and ethical standards

CYBERSECURITY MATURITY MODEL CERTIFICATION (CMMC)



Model		Assessment	CMMC Model 1.0
171 practices	5 processes	Third-party	LEVEL 5 Advanced *CUI, critical programs*
156 practices	4 processes	None	LEVEL 4 Proactive *Transition Level*
130 practices	3 processes	Third-party	LEVEL 3 Good *CUI*
72 practices	2 maturity processes	None	LEVEL 2 Intermediate *Transition Level*
17 practices		Third-party	LEVEL 1 Basic *FCI only*

CMMC Model 2.0	Model	Assessment
LEVEL 3 Expert	110+ practices based on NIST SP 800-172	Triennial government-led assessments
LEVEL 2 Advanced	110 practices aligned with NIST SP 800-171	Triennial third-party assessments for critical national security information; Annual self-assessment for select programs
LEVEL 1 Foundational	17 practices	Annual self-assessment

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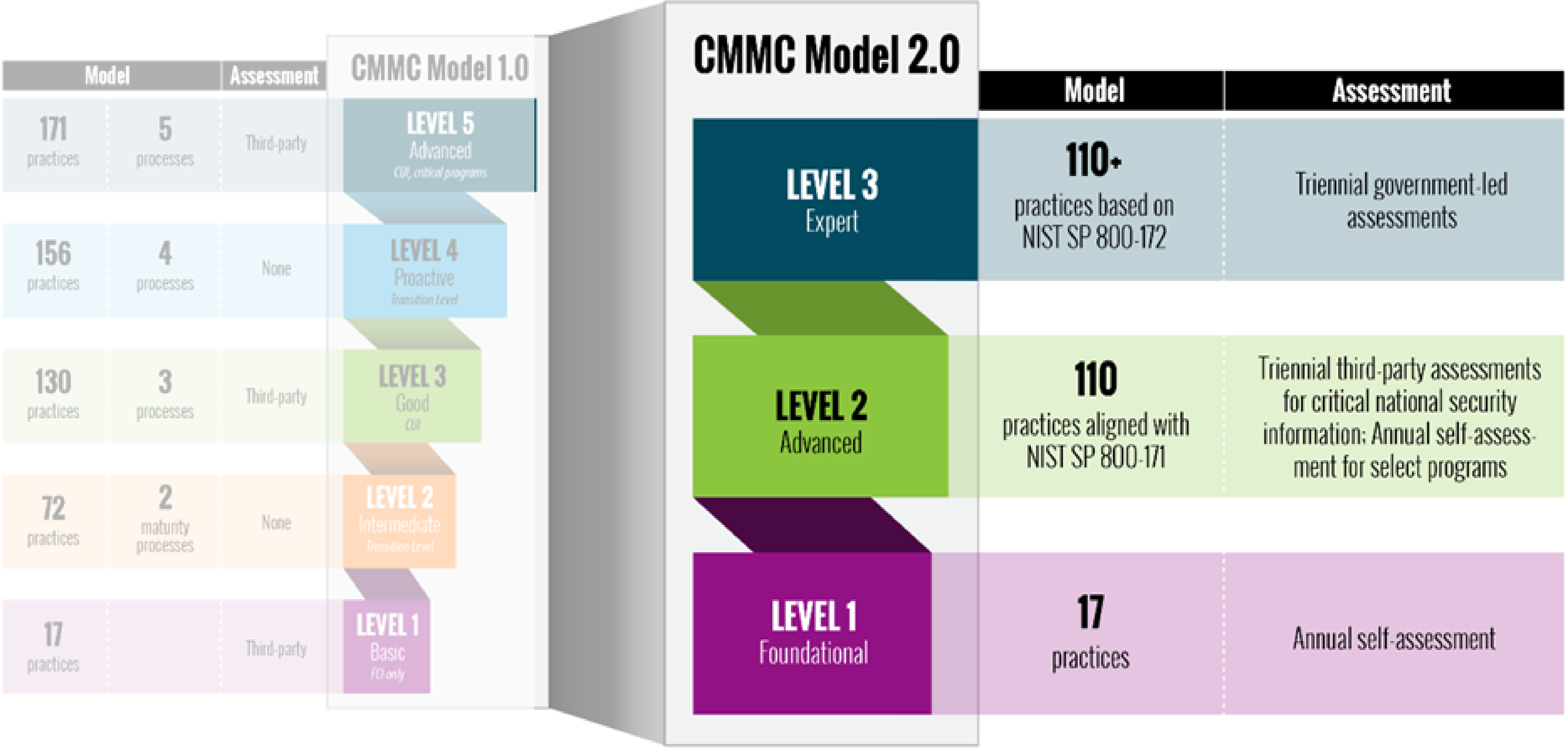

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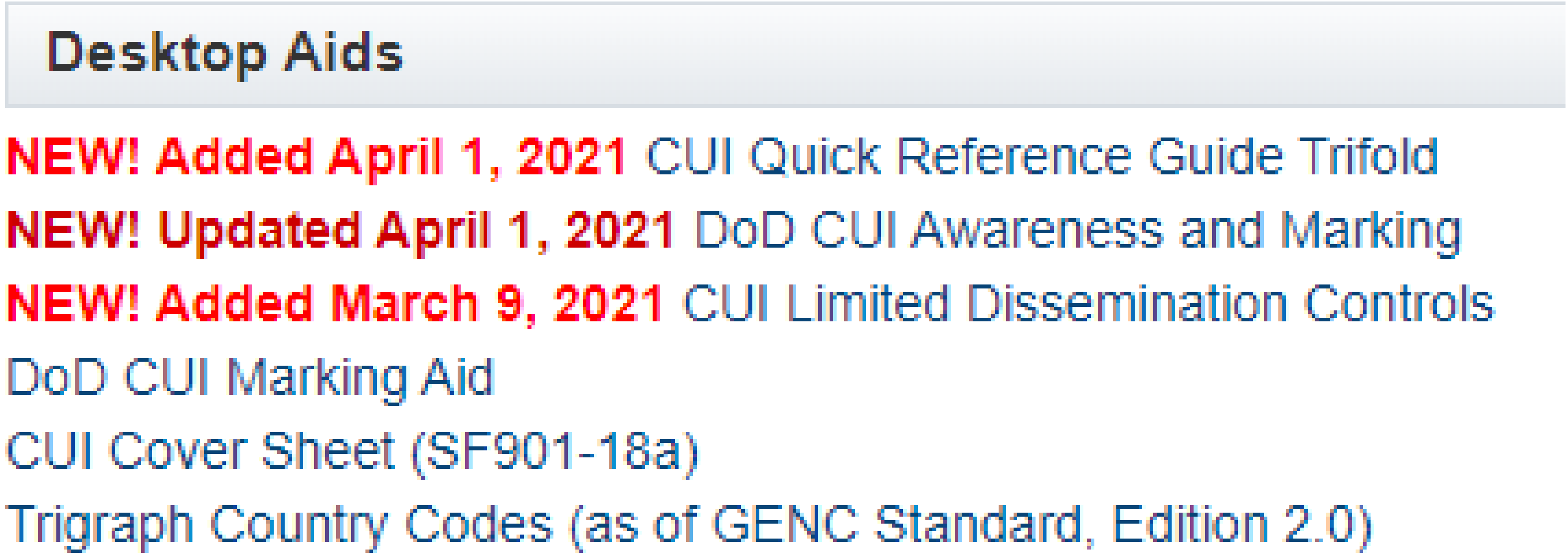
INFOSEC/ CYBERSECURITY CONSIDERATIONS

- USACE still working through CUI implementation.
- Contractor compliance with CUI marking/safeguarding/reporting increasing.
- Successful implementation of both parts of Section 889.
- Thus far in full compliance with NIST Scores.
- Partnering with Small Business team to inform/train Defense Industrial Base.
- Goal is increased communications with industry; permanent change.
- Monitor CMMC changes and updates as implementation date nears.
- Ongoing conversation to keep our industry partners aligned/informed.

Q&A

WWW.DODCUI.MIL/DESKTOP-AIDS

CONTROLLED
UNCLASSIFIED
INFORMATION



Desktop Aids

NEW! Added April 1, 2021 CUI Quick Reference Guide Trifold

NEW! Updated April 1, 2021 DoD CUI Awareness and Marking

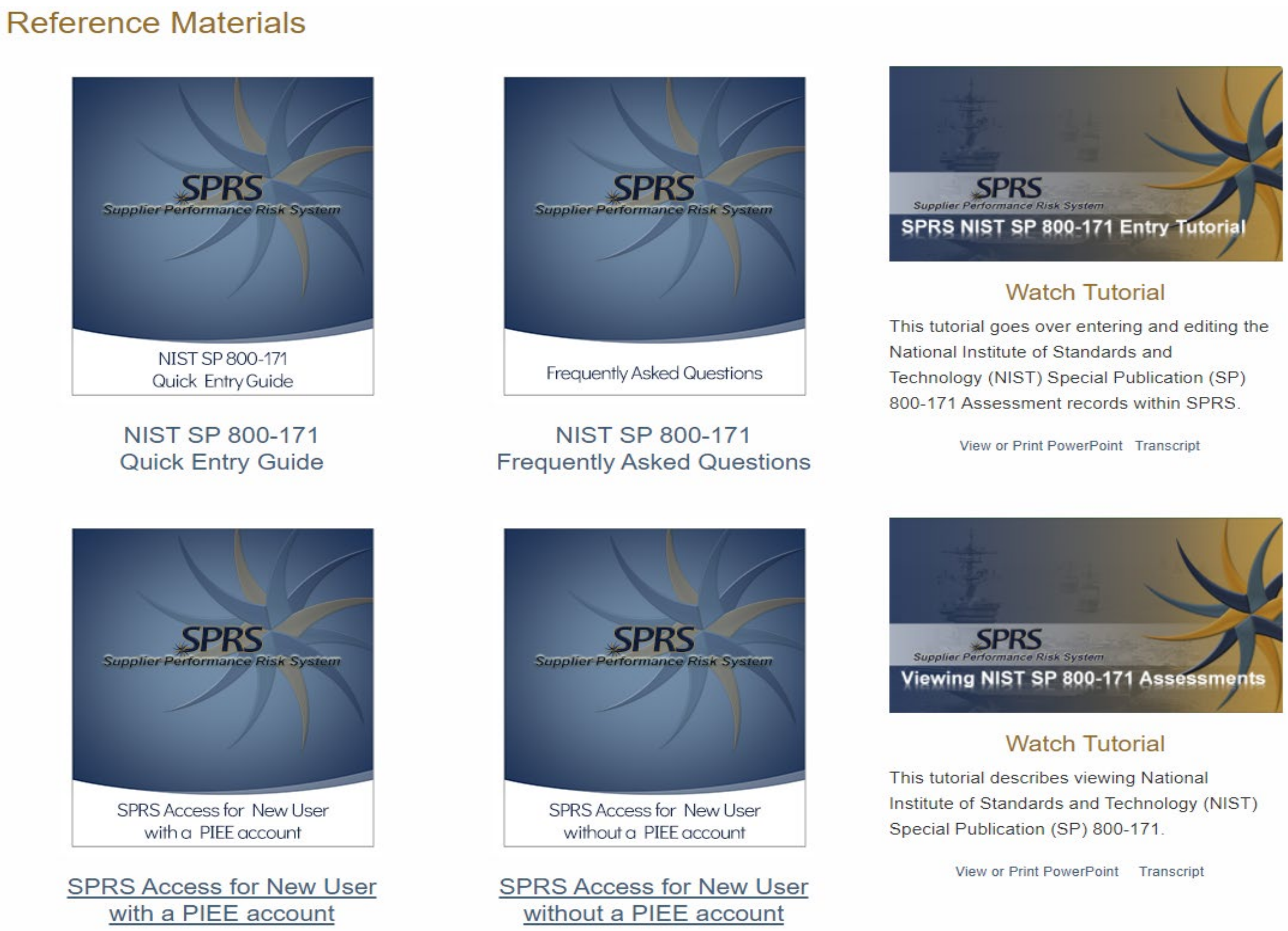
NEW! Added March 9, 2021 CUI Limited Dissemination Controls

DoD CUI Marking Aid

CUI Cover Sheet (SF901-18a)

Trigraph Country Codes (as of GENC Standard, Edition 2.0)

NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST) SCORES



Reference Materials

SPRS
Supplier Performance Risk System
NIST SP 800-171
Quick Entry Guide

NIST SP 800-171
Quick Entry Guide

SPRS
Supplier Performance Risk System
Frequently Asked Questions

NIST SP 800-171
Frequently Asked Questions

SPRS
Supplier Performance Risk System
SPRS NIST SP 800-171 Entry Tutorial

Watch Tutorial

This tutorial goes over entering and editing the National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171 Assessment records within SPRS.

View or Print PowerPoint Transcript

SPRS
Supplier Performance Risk System
SPRS Access for New User
with a PIEE account

SPRS Access for New User
with a PIEE account

SPRS
Supplier Performance Risk System
SPRS Access for New User
without a PIEE account

SPRS Access for New User
without a PIEE account

SPRS
Supplier Performance Risk System
Viewing NIST SP 800-171 Assessments

Watch Tutorial

This tutorial describes viewing National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171.

View or Print PowerPoint Transcript

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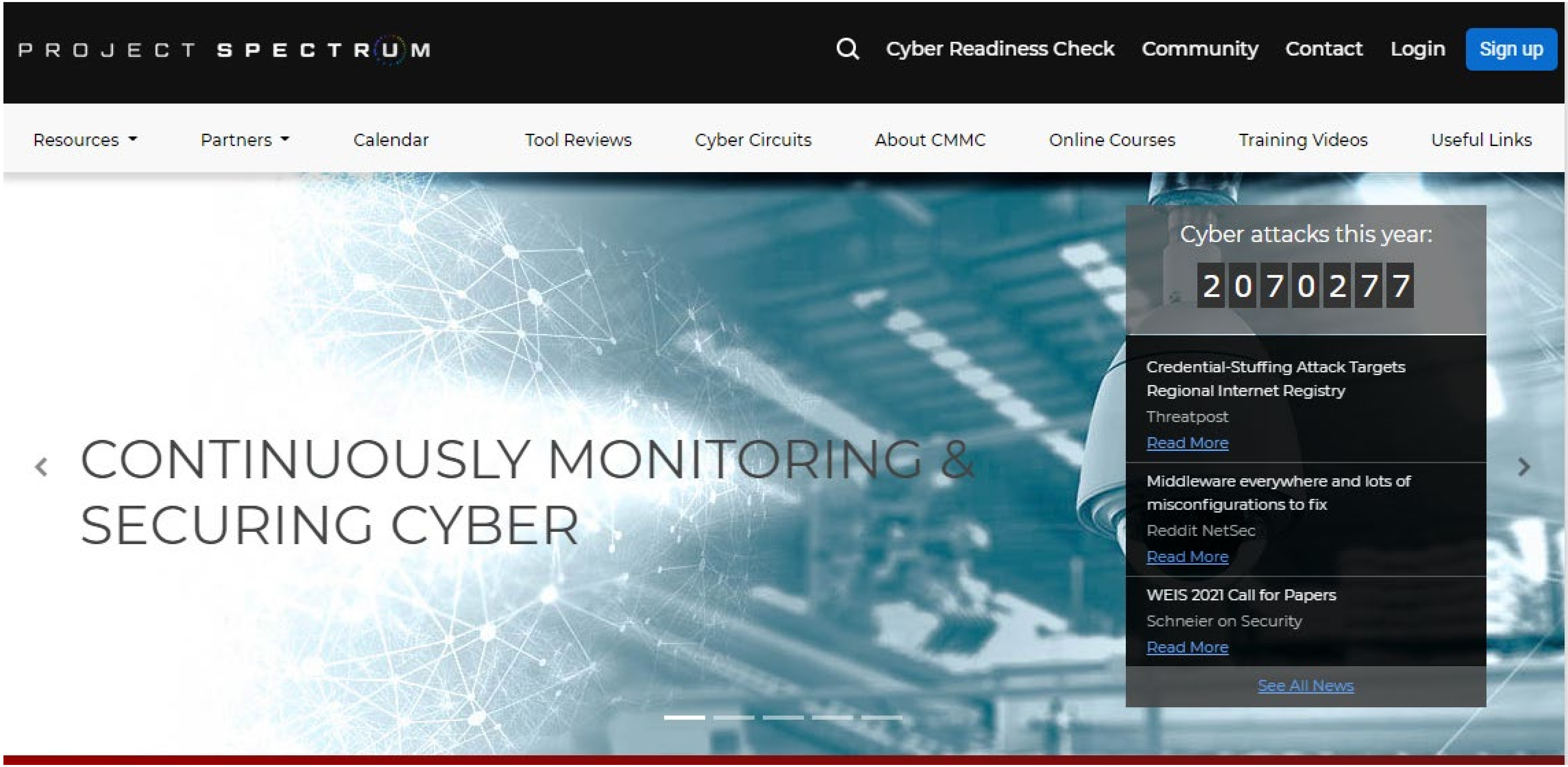


CONTINUOUSLY MONITORING & SECURING CYBER

Cyber attacks this year:

2070277

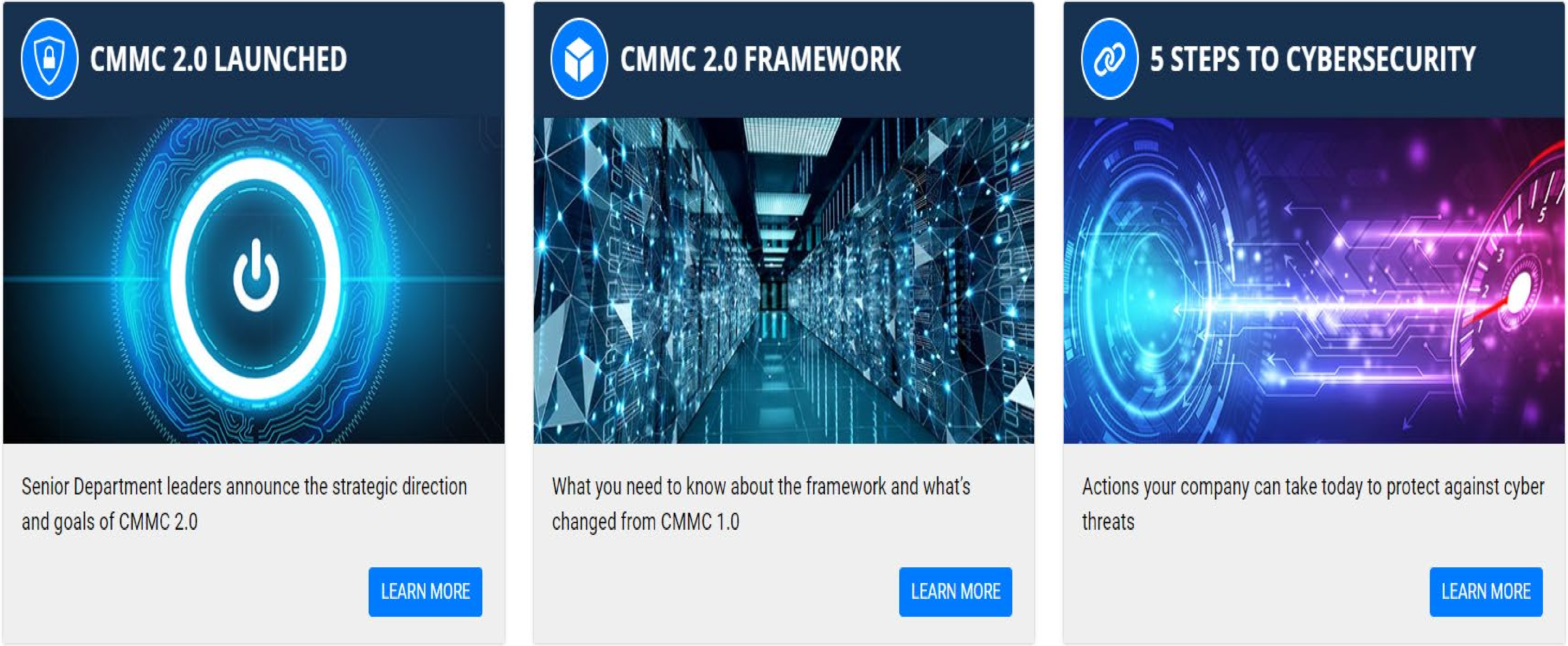
Credential-Stuffing Attack Targets Regional Internet Registry
Threatpost
Read More

Middleware everywhere and lots of misconfigurations to fix
Reddit NetSec
Read More

WEIS 2021 Call for Papers
Schneier on Security
Read More

See All News

WWW.ACQ.OSD.MIL/CMMC



CMMC 2.0 LAUNCHED

Senior Department leaders announce the strategic direction and goals of CMMC 2.0

CMMC 2.0 FRAMEWORK

What you need to know about the framework and what's changed from CMMC 1.0

5 STEPS TO CYBERSECURITY

Actions your company can take today to protect against cyber threats