CONTRACTING INFOSEC/ CYBERSECURITY BRIEF

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Date: 2 May 2022

US Army Corps of Engineers

MISSION / PEOPLE / TEAMWORK

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?

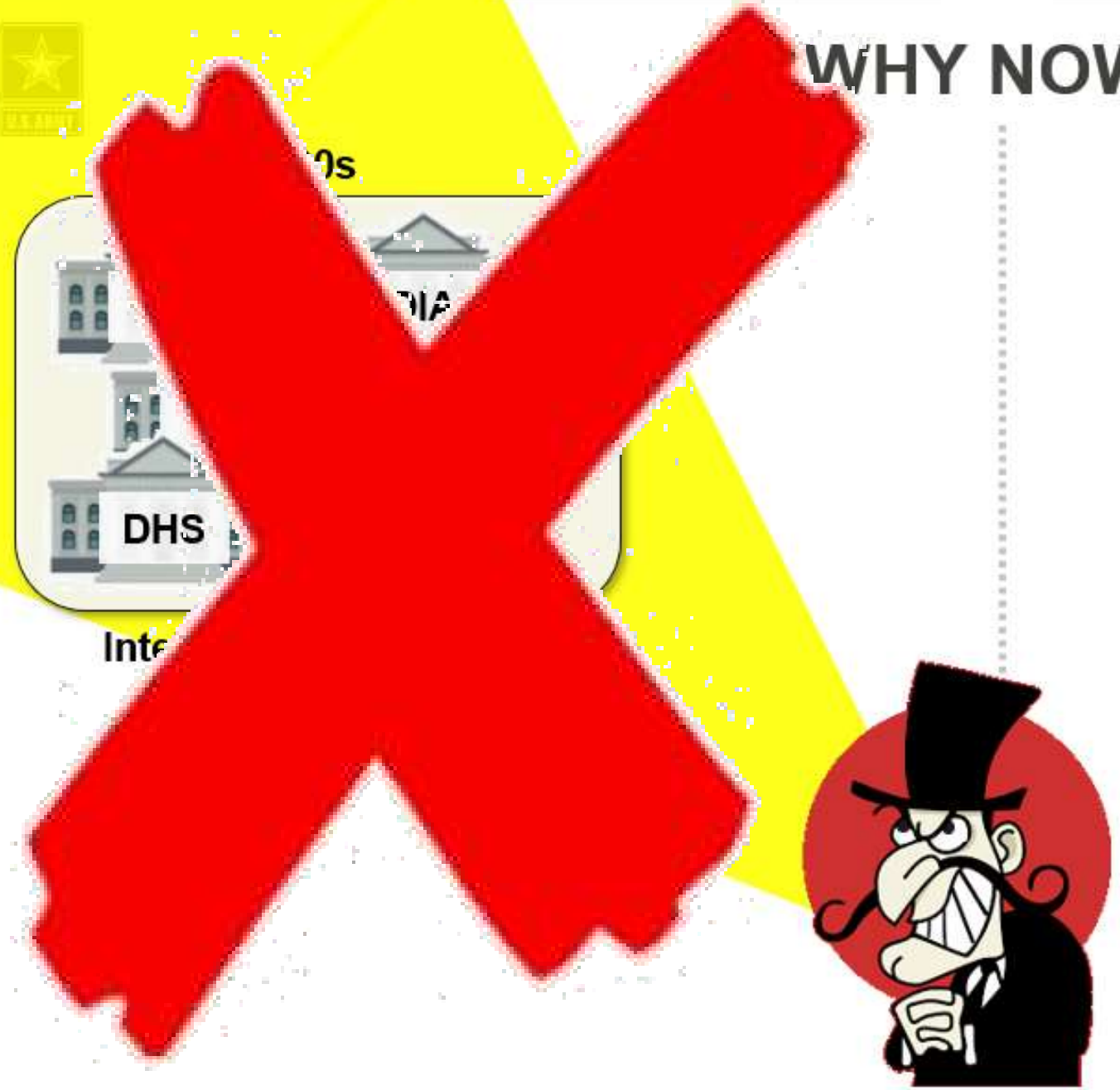
1990s

Intelligence Orgs = 17

Today

SWD Contractors = 1800

WHY NOW?



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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 FOUO with streamlined framework.
- CUI is MORE complex than FOUO
- CUI clause requirements fall into 3 buckets/lines of effort:
    1) CUI marking
    2) CUI safeguarding
    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

WWW.DODCUI.MIL

NDAA "SECTION 889"

- 2-part initiative directly related to 5 bad actor Chinese firms and their products.
- 2019 – Part 1 prohibited contract award to the 5 Chinese firms.
- 2020 – Part 2 req'd Contractor to certify cyber hygiene, for company & supply chain.

NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST) SCORES

NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST) SCORES

NIST SP 800-171 DoD Assessment **Scoring Template**

Security Requirement		Value	Comment
3.1.1*	Limit system access to authorized users, processes acting on behalf of authorized users, and devices (including other systems).	5	
3.1.2*	Limit system access to the types of transactions and functions that authorized users are permitted to execute.	5	
3.1.3	Control the flow of CUI in accordance with approved authorizations.	1	
3.1.4	Separate the duties of individuals to reduce the risk of malevolent activity without collusion.	1	
3.1.5	Employ the principle of least privilege, including for specific security functions and privileged accounts.	3	
3.1.6	Use non-privileged accounts or roles when accessing non-security functions.	1	
3.1.7	Prevent non-privileged users from executing privileged functions and capture the execution of such functions in audit logs.	1	
3.1.8	Limit unsuccessful logon attempts.	1	

NIST SCORES STORED IN PIEE/SPRS

Detail View:
A3 COMPANY - (Return to Top)

Add New Assessment | Clear All Filters | Refresh

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
	06/16/2021	110	BASIC	NIST SP 800-171		ENTERPRISE	!AAA3 A3 COMPANY	06/16/2021	Company A3 SSP		06/16/2021
	05/11/2021	110	BASIC	NIST SP 800-171		ENCLAVE	!AAA4 A4 COMPANY	N/A	2021-469	1	05/10/2021

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NIST SCORES

Tools for Responsible Awards

- DFARS 252.204-7019/7020 requires NIST score in SPRS.
- As of 30 NOV 20, Contracting Officers must validate score prior to award.
- NIST score now considered part of the responsibility determination.
- At this point, no minimum score requirement.
- Why? Because the upcoming CMMC cert will specify minimum levels.

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)

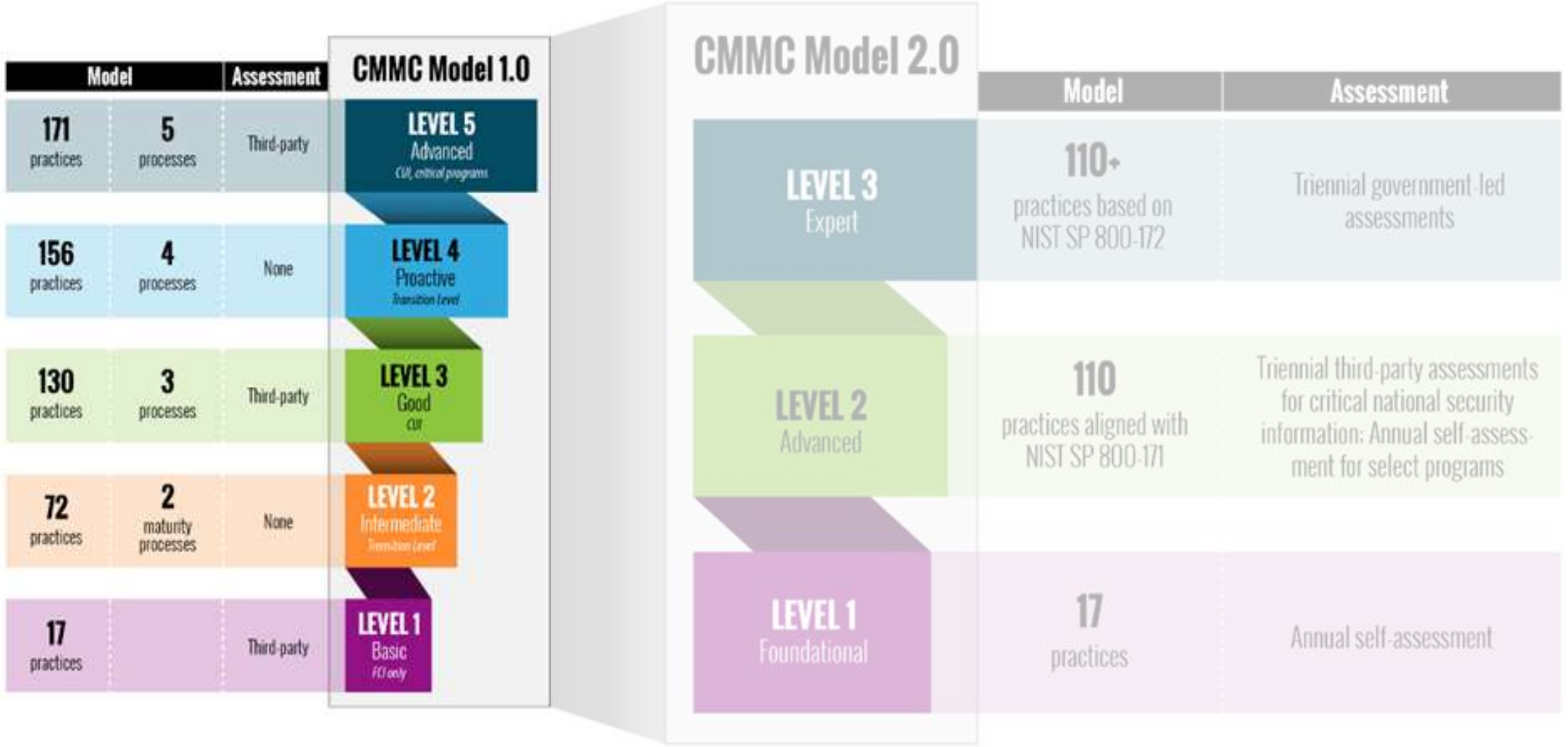
THE EVOLUTION TO CMMC 2.0

SEP 2020 – DoD published DFARS Interim Rule for CMMC program.
NOV 2020 – Interim rule effective; established 5yr phase-in plan.
MAR 2021 – 850 public comments received on Interim DFARS rule; internal review.
NOV 2021 – 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)



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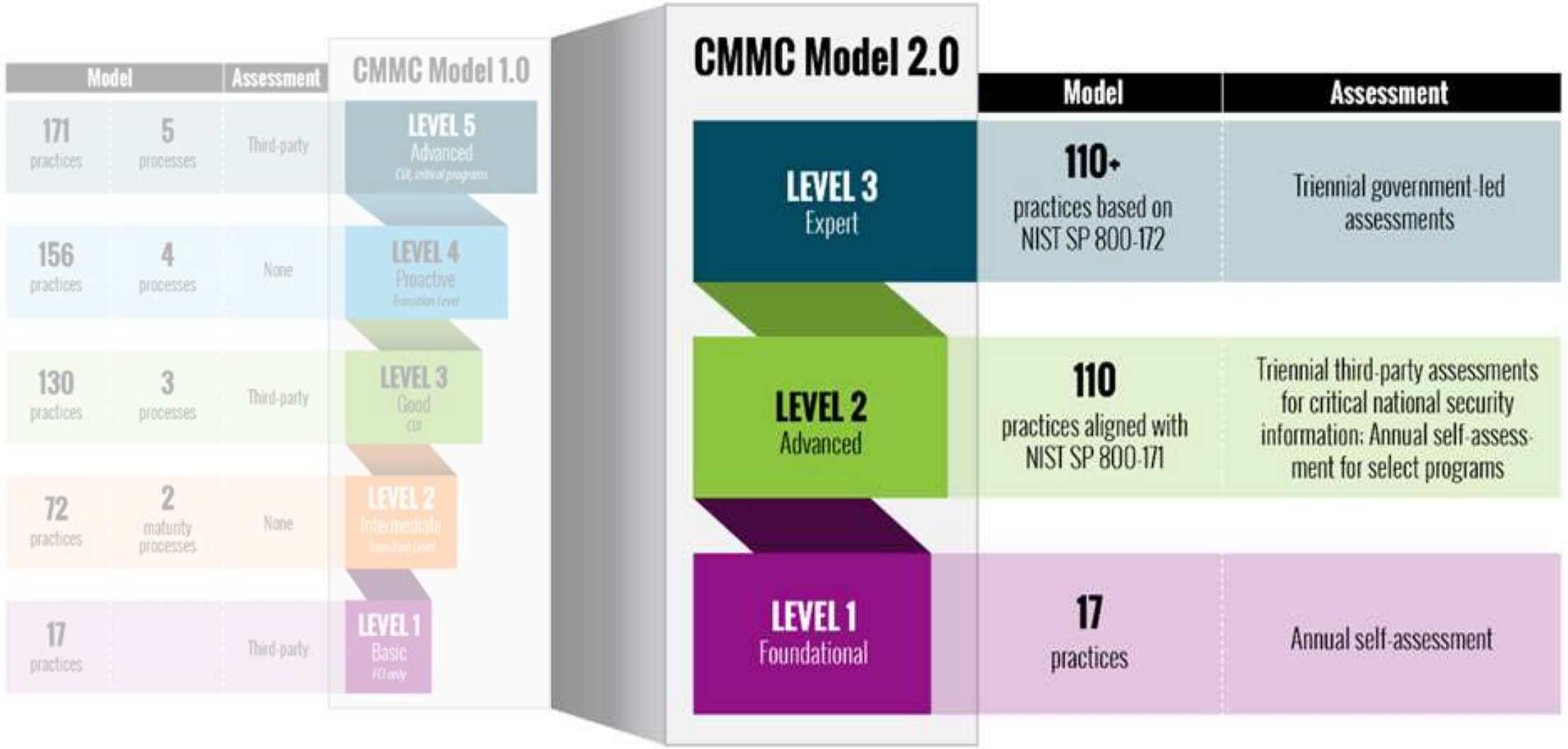


INFOSEC/ CYBERSECURITY CONSIDERATIONS

- 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

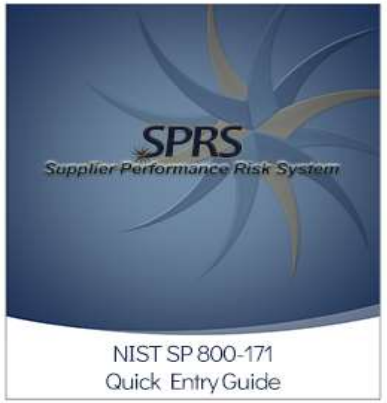
DoD CUI Marking Aid

CUI Cover Sheet (SF901-18a)

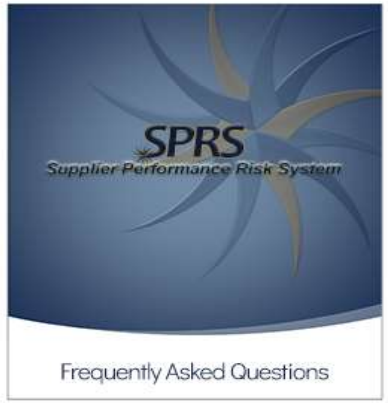
Trigraph Country Codes (as of GENC Standard, Edition 2.0)

NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST) SCORES

Reference Materials



NIST SP 800-171
Quick Entry Guide



NIST SP 800-171
Frequently Asked Questions

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 Access for New User with a PIEE account

SPRS Access for New User without a PIEE account

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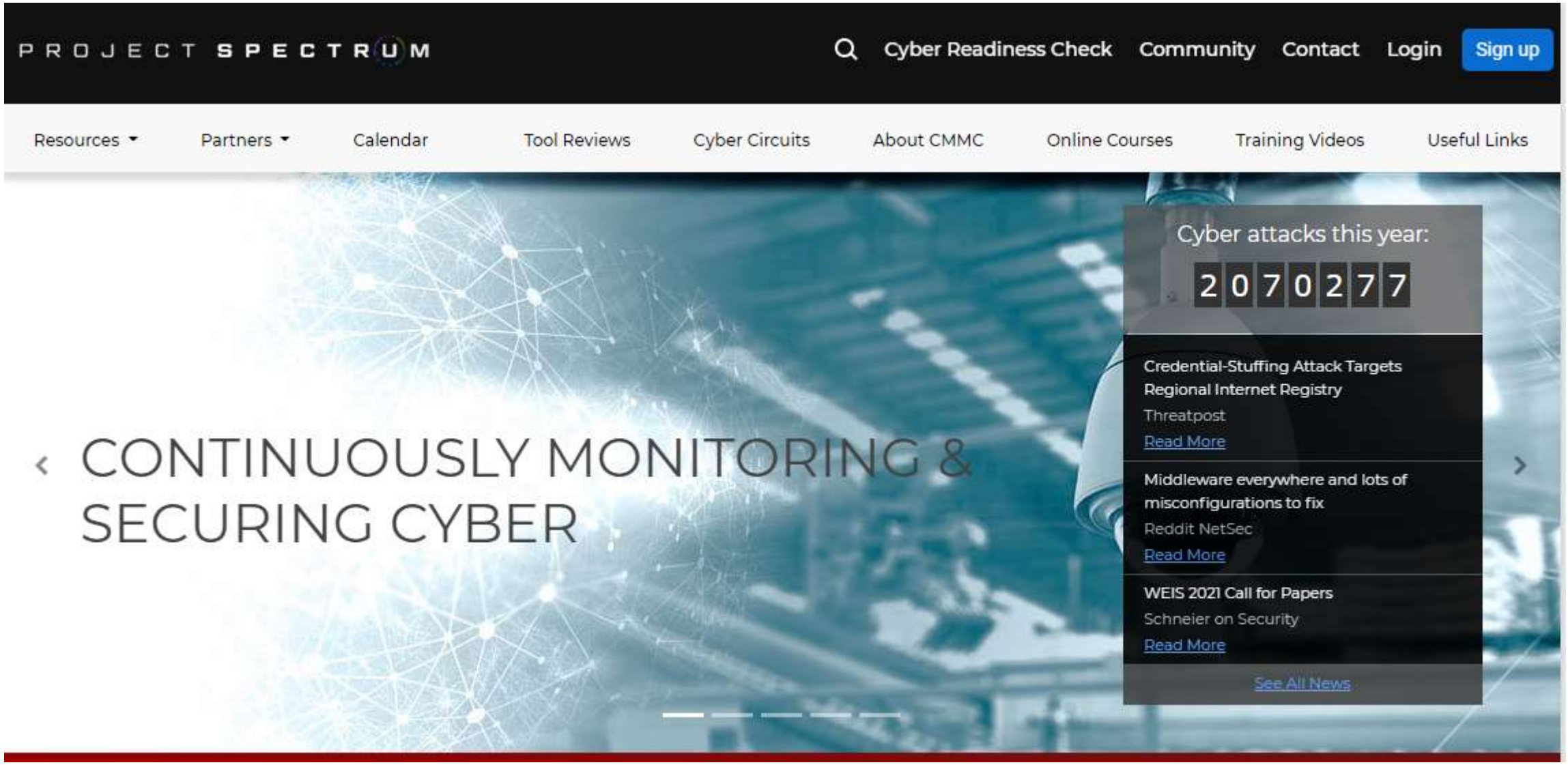

WWW.ACQ.OSD.MIL/CMMC

CMMC 2.0 LAUNCHED

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

LEARN MORE

CMMC 2.0 FRAMEWORK

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

LEARN MORE

5 STEPS TO CYBERSECURITY

Actions your company can take today to protect against cyber threats

LEARN MORE