Cybersecurity Maturity Model Certification



The Cybersecurity Maturity Model Certification (CMMC) is the next step in the Department of Defense (DoD) efforts to protect U.S. defense manufacturing supply chains from cyberthreats. The CMMC incorporates the requirements of National Institute of Standards and Technology Special Publication (NIST SP) 800-171 and establishes a new framework for defense contractors to become certified as cybersecurity compliant. The higher a company certifies, the more contracts a company can bid.

How Will Contractors Be Evaluated?

Manufacturers in DoD supply chains will be evaluated based upon the implementation of actual technical controls in addition to their documentation and policies. These evaluations will lead to a CMMC certification ranging from Level 1 "Basic Cyber Hygiene," through Level 5 "Advanced," as determined by third-party auditors. The CMMC level required in solicitations will be listed the solicitation's sections L and M and will be a "go/no-go decision."

DoD contracting authorities will still require a System Security Plan (SSP) and Plan of Action as demonstration of compliance to DFARS 252.204-7012.

How Can Contractors Prepare For CMMC?

- Establish a System Security Plan and Plan of Action. Implementation of NIST SP 800-171 cybersecurity requirements will continue to be the starting place.
- Configure existing environments or build new environments to address the NIST SP 800-171 cybersecurity requirements.
- · Address items in Plans of Action.
- Flow down the DFARS cybersecurity requirements to subcontractors and suppliers.
- Increase level of cybersecurity maturity by formalizing cybersecurity practices and processes across the company.

Capabilities Assessed for Practice & Process Maturity

Practices		Processes	
Advanced / Progressive		Optimized	
Proactive	Level 4	Reviewed	
Good Cyber Hygiene	Level 3	Managed	
Intermediate Cyber Hygiene	Level 2	Documented	k
Basic Cyber Hygiene	Level	Performed	

CMMC Model Level Descriptions

Description of Practices

Description of Processes

Highly advanced cybersecurity practices. Reserved for the most critical systems. Resilient against the most-advanced threat actors. Defensive responses performed at machine speed. Machine performed analytics and defensive actions. Resistant against, and detection of, data exfiltration. Autonomous knowledge of cyber assets.

Level 5

Stringent Continuous improvement across the enterprise

More

Advanced and sophisticated cybersecurity practices. Resilient against advanced threat actors. Defensive responses approach machine speed. Increased resistance against and detection of data exfiltration. Complete and continuous knowledge of cyber assets.

Level 4

Processes are periodically reviewed, properly resourced, and improved across the enterprise

Coverage of all NIST SP 800-171 rev 1 controls. Additional practices beyond the scope of CUI protection. Resilient against moderately skilled threat actors. Moderate resistance against data exfiltration. Moderate resilience against malicious actions. Comprehensive knowledge of cyber assets.

Level 3

Processes are maintained and followed

Inclusive of universally accepted cyber security best practices. Resilient against unskilled threat actors. Minor resistance against data exfiltration. Minor resilience against malicious actions.

Level 2

Practices are documented

Less Stringent

Basic cybersecurity. Achievable for small companies. Subset of universally accepted common practices. Limited resistance against data exfiltration. Limited resilience against malicious actions

Level 1

Practices are performed, at least in an ad-hoc matter

DoD has released Version 1.0 of the CMMC framework and will begin including these certification requirements in new DoD solicitations starting in the Fall of 2020. Like the DFARS Cybersecurity Clause, the CMMC level requirement will also flow down to all subcontractors. Future Requests for Proposals (RFPs) may require a CMMC level even if handling of Controlled Unclassified Information (CUI) is not included in the contract.



For More Info:

Contact your local UT CIS Solutions Consultant today to learn more. https://bit.ly/351xHtZ





