CMMC CCA

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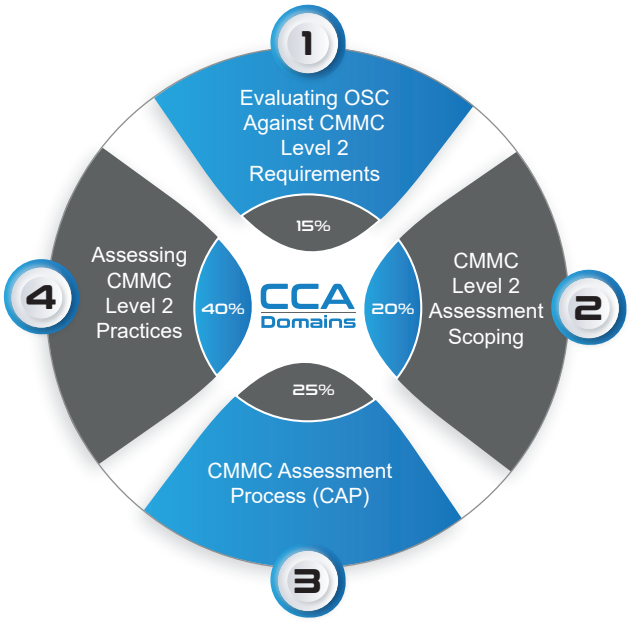
Summary

The CMMC Certified Assessor (CCA) exam will verify a candidate's readiness to perform as an effective Certified Assessor of Organizations Seeking Certification (OSC) at CMMC Level 2. A passing score on the CCA exam is a prerequisite to a CMMC Lead Assessor designation.

Why ecfirst for CCA Training?

- Our auditors are our trainers!
- ecfirst is all in for CMMC (RPO, APP, ATP & C3PAO).
- ecfirst's Academy Portal gives students access to all training materials, resource documents, study guides, and quizzes to solidify learning in one location.
- 25 years of privacy and security compliance training experience.
- 24 years of compliance audit/assessment experience (HIPAA, PCI DSS, HITRUST, GDPR, NIST SP 800-171, multiple state regulations).
- One of the first organizations to take the training to market!

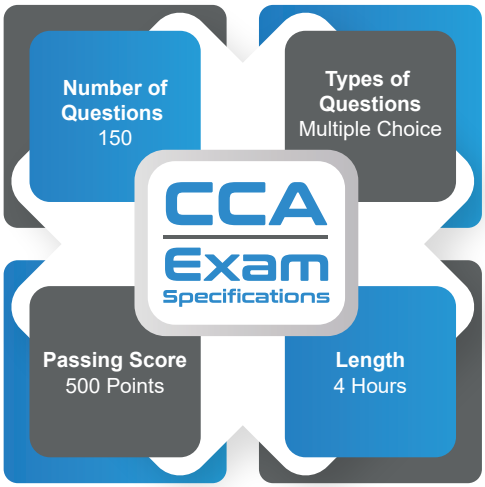
CMMC Certified Assessor (CCA)



Intended Audience

- CMMC Certified Professional (CCP) seeking to advance to CCA
- CMMC Certified Instructors who wish to teach the CCA course

CCA Exam Specifications



This is not an open book exam

Domain Exam Weight

#	Domain	Exam Weight	CCA Program	36 Hours
1	CCA Pre Program Prep			2 Hours
2	Welcome Introductions, About the Portal and Pre-Quiz		**Domain 0, 1, 2** Tuesday, Day 1 8:30 am - 4:30 pm Group Exercises: 8 | 40 Minutes Offline Prep: 2 Hours	10 Hours
	Introduction			
	Evaluating OSC Against CMMC Level 2 Requirements Blueprint Domain 1	15%		
3	CMMC Level 2 Assessment Scoping Blueprint Domain 2	20%		
4	CMMC Assessment Process (CAP) Blueprint Domain 3	25%	**Domain 3** Wednesday, Day 2 8:30 am - 4:30 pm Group Exercises: 7 | 35 Minutes Offline Prep: 2 Hours	10 Hours
5	Assessing CMMC Level 2 Practices Blueprint Domain 4	40%	**Domain 4** Thursday, Day 3 8:30 am - 4:30 pm Group Exercises: 10 | 60 Minutes Offline Prep: 2 Hours	10 Hours
6	Practice Exam & Review		**Review and Final Quiz** Friday, Day 4 8:30 am - 12:30 pm	4 Hours

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Blueprint Domain 1 Evaluating OSC Against CMMC Level 2 Requirements

Task 1 Assess the various environmental considerations of OSCs against CMMC Level 2 practices.

1. The difference between logical (virtual) and physical locations
2. The difference between professional and industrial environments
3. Single and multi-site environmental constraints and evidence requirements
4. Cloud and hybrid environment constraints and evidence requirements
5. On-premises environmental constraints
6. Environmental exclusions for a CMMC Level 2 assessment

Blueprint Domain 2 CMMC Level 2 Assessment Scoping

Task 1 Analyze the CMMC Assessment Scope of Controlled Unclassified Information (CUI) Assets as they pertain to a CMMC assessment using the five categories of CUI assets as defined in the CMMC Level 2 Assessment Scoping Guide.

1. Categorization of CUI data in the form of Assets that are in scope.
   - a. CUI Assets
     - i. Process, store, and transmit CUI
   - b. Security Protection Assets
     - i. Assets that provide security functions and capabilities to a contractor's CMMC Assessment Scope
   - c. Contractor Risk Managed Assets
     - i. Assets that can, but are not intended to, process, store, and transmit CUI because of security policy, procedures, and practices in place
   - d. Specialized Assets
     - i. Assets that may/may not process, store, and transmit CUI
     - ii. Assets include government property, Internet of Things (IoT) devices, Operational Technology (OT), Restricted Information Systems, and test equipment
   - e. Out-of-Scope Assets
     - i. Assets that cannot process, store, or transmit CUI

Task 2 Given a scenario, analyze the CMMC Assessment Scope based on the predetermined CUI categories within the CMMC Level 2 Assessment Scoping Guide.

1. CMMC Assessment Asset Categories (In-scope)
   - a. CUI Assets
   - b. Security Protection Assets
   - c. Contractor Risk Managed Assets
   - d. Specialized Assets
2. CMMC Assessment Asset Categories (Out-of-scope)
3. Separation Techniques
   - a. Logical separation
     - i. Firewalls
     - ii. Virtual Local Area Network (VLANs)
   - b. Physical separation
     - i. Gates
     - ii. Locks
     - iii. Badge Access
     - iv. Guards

Task 3 Evaluate CMMC assessment scope considerations based on the CMMC Level 2 Assessment Scoping Guide.

1. FCI and CUI within the same Assessment Scope.
   - a. Contractor defines FCI/CUI assets (In-scope), CMMC Assessor certifies implementation of Level 1 & 2 practices
2. FCI and CUI NOT within the same Assessment Scope:
   - a. Contractor defines Self-Assessment of FCI assets (In-scope)
   - b. Contractor defines CUI assets (In-scope), CMMC Assessor certifies implementation of Level 1 & 2 practices
3. External Service Providers
   - a. Evaluation of responsibility matrix
   - b. Non-Duplication
   - c. Agreements, Service-Level Agreements (SLAs)

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Blueprint Domain 3 CMMC Assessment Process (CAP)

Task 1 Given a scenario, apply the appropriate phases and steps to plan, prepare, conduct, and report on a CMMC Level 2 Assessment.

1. Phase 1 - Plan and Prepare Assessments.
    a. Analyze requirements
    b. Develop assessment plan
    c. Verify readiness to conduct assessment
2. Phase 2 - Conduct assessment.
    a. Collect and examine evidence
    b. Score Practices and validate preliminary results
    c. Generate final recommended assessment results
3. Phase 3 - Report recommended assessment results.
    a. Deliver recommended assessment results

Blueprint Domain 4 CMMC Level 2 Practices

Task 1 Identify evidence verification/validation methods and objects for Practices based on the CMMC Level 2 Assessment Guide and CAP documentation.

1. Methods and objects for determining evidence
    a. Examine
    b. Interview
    c. Test
2. Adequacy and sufficiency related to evidence around all below practices
    a. Characteristics of acceptable evidence
    b. Evidence of enabling persistent and habitual application of practices
        i. Policy
        ii. Plan
        iii. Resourcing
        iv. Communication
        v. Training
    c. Characterization of evidence
        i. Validate that evidence effectively meets intent of standard
        ii. An objective and systematic examination of evidence for the purpose of providing an independent assessment of the performance of CMMC
3. CMMC Level 2 Assessment Practice objectives including potential methods, objects, and assessment considerations (by domain).

    (at an minimum the practices listed below must be evaluated for CCA candidates)

    a. Access Control (AC)
        i. AC.L2-3.1.3 - Control CUI Flow
        ii. AC.L2-3.1.4 - Separation of Duties
        iii. AC.L2-3.1.5 - Least Privilege
        iv. AC.L2-3.1.6 - Non-Privileged Account Use
        v. AC.L2-3.1.7 - Privileged Functions
        vi. AC.L2-3.1.8 - Unsuccessful Logon Attempts
        vii. AC.L2-3.1.9 - Privacy & Security Notices
        viii. AC.L2-3.1.10 - Session Lock
        ix. AC.L2-3.1.11 - Session Termination
        x. AC.L2-3.1.12 - Control Remote Access
        xi. AC.L2-3.1.13 - Remote Access Confidentiality
        xii. AC.L2-3.1.14 - Remote Access Routing
        xiii. AC.L2-3.1.15 - Privileged Remote Access
        xiv. AC.L2-3.1.16 - Wireless Access Authorization
        xv. AC.L2-3.1.17 - Wireless Access Protection
        xvi. AC.L2-3.1.18 - Mobile Device Connection
        xvii. AC.L2-3.1.19 - Encrypt CUI on Mobile
        xviii. AC.L2-3.1.21 - Portable Storage Use
    b. Awareness & Training (AT)
        i. AT.L2-3.2.1 - Role-Based Risk Awareness
        ii. AT.L2-3.2.2 - Role-Based Training
        iii. AT.L2-3.2.3 - Insider Threat Awareness
    c. Audit & Accountability (AU)
        i. AU.L2-3.3.1 - System Auditing
        ii. AU.L2-3.3.2 - User Accountability
        iii. AU.L2-3.3.3 - Event Review
        iv. AU.L2-3.3.4 - Audit Failure Alerting
        v. AU.L2-3.3.5 - Audit Correlation
        vi. AU.L2-3.3.6 - Reduction & Reporting
        vii. AU.L2-3.3.7 - Authoritative Time Source
        viii. AU.L2-3.3.8 - Audit Protection
        ix. AU.L2-3.3.9 - Audit Management

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Blueprint Domain 4 CMMC Level 2 Practices (Cont'd...)

d. Configuration Management (CM)
- i. CM.L2-3.4.1 - System Baselining
- ii. CM.L2-3.4.2 - Security Configuration Enforcement
- iii. CM.L2-3.4.3 - System Change Management
- iv. CM.L2-3.4.4 - Security Impact Analysis
- v. CM.L2-3.4.5 - Access Restrictions for Change
- vi. CM.L2-3.4.6 - Least Functionality
- vii. CM.L2-3.4.7 - Nonessential Functionality
- viii. CM.L2-3.4.8 - Application Execution Policy
- ix. CM.L2-3.4.9 - User-Installed Software

e. Identification & Authentication (IA)
- i. IA.L2-3.5.3 - Multifactor Authentication
- ii. IA.L2-3.5.4 - Replay-Resistant Authentication
- iii. IA.L2-3.5.5 - Identifier Reuse
- iv. IA.L2-3.5.6 - Identifier Handling
- v. IA.L2-3.5.7 - Password Complexity
- vi. IA.L2-3.5.8 - Password Reuse
- vii. IA.L2-3.5.9 - Temporary Passwords
- viii. IA.L2-3.5.10 - Cryptographically-Protected Passwords
- ix. IA.L2-3.5.11 - Obscure Feedback

f. Incident Response (IR)
- i. IR.L2-3.6.1 - Incident Handling
- ii. IR.L2-3.6.2 - Incident Reporting
- iii. IR.L2-3.6.3 - Incident Response Testing

g. Maintenance (MA)
- i. MA.L2-3.7.1 - Perform Maintenance
- ii. MA.L2-3.7.2 - System Maintenance Control
- iii. MA.L2-3.7.3 - Equipment Sanitization
- iv. MA.L2-3.7.4 - Media Inspection
- v. MA.L2-3.7.5 - Nonlocal Maintenance
- vi. MA.L2-3.7.6 - Maintenance Personnel

h. Media Protection (MP)
- i. MP.L2-3.8.1 - Media Protection
- ii. MP.L2-3.8.2 - Media Access
- iii. MP.L2-3.8.4 - Media Markings
- iv. MP.L2-3.8.5 - Media Accountability
- v. MP.L2-3.8.6 - Portable Storage Encryption
- vi. MP.L2-3.8.7 - Removeable Media
- vii. MP.L2-3.8.8 - Shared Media
- viii. MP.L2-3.8.9 - Protect Backups

i. Personnel Security (PS)
- i. PS.L2-3.9.1 - Screen Individuals
- ii. PS.L2-3.9.2 - Personnel Actions

j. Physical Protection (PE)
- i. PE.L2-3.10.2 - Monitor Facility
- ii. PE.L2-3.10.6 - Alternative Work Sites

k. Risk Assessment (RA)
- i. RA.L2-3.11.1 - Risk Assessments
- ii. RA.L2-3.11.2 - Vulnerability Scan
- iii. RA.L2-3.11.3 - Vulnerability Remediation

l. Security Assessment (CA)
- i. CA.L2-3.12.1 - Security Control Assessment
- ii. CA.L2-3.12.2 - Plan of Action
- iii. CA.L2-3.12.3 - Security Control Monitoring
- iv. CA.L2-3.12.4 - System Security Plan

m. System & Communications Protection (SC)
- i. SC.L2-3.13.2 - Security Engineering
- ii. SC.L2-3.13.3 - Role Separation
- iii. SC.L2-3.13.4 - Shared Resource Control
- iv. SC.L2-3.13.6 - Network Communication by Exception
- v. SC.L2-3.13.7 - Split Tunneling
- vi. SC.L2-3.13.8 - Data in Transit
- vii. SC.L2-3.13.9 - Connections Termination
- viii. SC.L2-3.13.10 - Key Management
- ix. SC.L2-3.13.11 - CUI Encryption
- x. SC.L2-3.13.12 - Collaborative Device Control
- xi. SC.L2-3.13.13 - Mobile Code
- xii. SC.L2-3.13.14 - Voice over Internet Protocol
- xiii. SC.L2-3.13.15 - Communications Authenticity
- xiv. SC.L2-3.13.16 - Data at Rest

n. System & Information Integrity (SI)
- i. SI.L2-3.14.3 - Security Alerts & Advisories
- ii. SI.L2-3.14.6 - Monitor Communications for Attacks
- iii. SI.L2-3.14.7 - Identify Unauthorized Use

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