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CAP – Certified Authorization Professional

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Overview

This official (ISC)² Certified Authorization Professional (CAP) course prepares you for the CAP exam and provides in-depth coverage of the Risk Management Framework. It is the only security certification under the DoD8570 Mandate that aligns to each of the RMF steps. You will learn the skills and concepts in the 7 domains including RMF, Security Categorization, Security Controls implementation, assessment, monitoring and authorization.

CAP Certification Course

Risk Management Framework (RMF)

- Describe the RMF
- Describe and distinguish between the RMF steps
- Identify roles and define responsibilities
- Understand and describe how the RMF process relates to the organizational structure
- Understand the relationship between the RMF and System Development Life Cycle (SDLC)
- Understand legal, regulatory and other security requirements

Categorization of Information Systems

- Categorize the system
- Describe the information system (including the security authorization boundaries)
- Register the system

Selection of Security Controls

- Identify and document (inheritable) controls
- Select, tailor and document security controls
- Develop security control monitoring strategy
- Review and approve security plan

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Security Control Implementation

- Implement selected security controls
- Document security control implementation

Security Control Assessment

- Prepare for security control assessment
- Develop security control assessment plan
- Assess security control effectiveness
- Develop initial security assessment report (SAR)
- Review interim SAR and perform initial remediation actions
- Develop final SAR and optional addendum

Information System Authorization

- Develop plan of action and milestones (POAM) (e.g., resources, schedule, requirements)
- Assemble security authorization package
- Determine risk
- Determine the acceptability of risk
- Obtain security authorization decision

Monitoring of Security Controls

- Determine security impact of changes to system and environment
- Perform ongoing security control assessments (e.g., continuous monitoring, internal and external assessments)
- Conduct ongoing remediation actions (resulting from incidents, vulnerability scans, audits, vendor updates, etc.)
- Update key documentation (e.g., SP, SAR, POAM)

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- Perform periodic security status reporting
- Perform ongoing risk determination and acceptance
- Decommission and remove system

Learning Objectives

- Prepare for and pass the CAP Exam
- Define and implement a Risk Management Framework (RMF)
- Select, tailor and document security controls
- Prepare for security control assessment
- Perform ongoing security control assessments

Who Should Attend

The CAP is ideal for IT, information security and information assurance practitioners and contractors who use the RMF in:

- The U.S. federal government, such as the U.S. Department of State or the Department of Defence (DoD)
- The military
- Civilian roles, such as federal contractors
- Local governments
- Private sector organizations