Federal Risk Management Framework (RMF) Implementation 4.0: DoD/IC Edition

Days of Training: 4

Course Description

Federal Risk Management Framework (RMF) Implementation 4.0 focuses on the Risk Management Framework prescribed by NIST Standards. This courseware covers most but not all of the objectives of the ISC2 Certified Authorization Professional (CAP) certification exam. It can be used as an aid in CAP exam preparation, but if your goal is primarily to prepare students for that exam, you should use our other RMF course, Federal Risk Management Framework (RMF) Implementation 4.0 and CAP Exam Prep.

The 4.0 edition of the course is current as of August 2017. This edition incorporates the revisions to DODI 8510.01 CHANGE 1 from 2016, the development and publication of the CNSSI-1254 for the IC, additional NIST Special Publications produced to support RMF steps and activities, updated JSIG published in 2016, and newly developed service component actions and updates from the RMF Knowledge Service which have been uploaded and made available for all DOD components to use and implement during their RMF authorization efforts.

Downloadable ancillary materials include a study guide and a References and Policies handout.

Outline

Introduction

- Introductions
- About the CAP exam
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Chapter 1: Introduction

- RMF overview
- DoD and Intelligence Community specific guidelines
- Key concepts including assurance, assessment, authorization
- Security controls

Chapter 2: Cybersecurity Policy Regulations and Framework

- Security laws, policy, and regulations
- DIACAP to RMF transition
- ICD 503
- CNSSI-1253
- SDLC and RMF
- Documents for cyber security guidance

Chapter 3: RMF Roles and Responsibilities

- Tasks and responsibilities for RMF roles
- DoD RMF roles

Chapter 4: Risk Analysis Process

- DoD organization-wide risk management
- RMF steps and tasks
- RMF vs. C&A

Chapter 5: Step 1: Categorize

- Step 1 key references
- Sample SSP
- Task 1-1: Security Categorization
- Task 1-2: Information System Description
- Task 1-3: Information System Registration
- Registering a DoD sytem
- Lab Step 1: Categorize

Chapter 6: Step 2: Select

- Step 2 key references
- Task 2-1: Common Control Identification
- Task 2-2: Select Security Controls
- Task 2-3: Monitoring Strategy
- Task 2-4: Security Plan Approval
- Lab Step 2: Select Security Controls

Chapter 7: Step 3: Implement

- Step 3 key references
- Task 3-1: Security Control Implementation
- Task 3.2: Security Control Documentation
- Lab Step 3: Implement Security Controls

Chapter 8: Step 4: Assess

- Step 4 key references
- About Assessment
- Task 4-1: Assessment Preparation
- Task 4-2: Security Control Assessment
- Task 4-3: Security Assessment Report
- Task 4-4: Remediation Actions
- Lab Step 4: Assessment Preparation

Chapter 9: Step 5: Authorize

- Step 5 key references
- Task 5-1: Plan of Action and Milestones
- Task 5-2: Security Authorization Package