BAI Information Security Consulting & Training

Risk Management Framework (RMF) Resource Center

1-800-RMF-1903 (763-1903)
www.rmf.org

RMF for Federal Agencies
Training Program Overview & Outline

Training Overview

The RMF for Federal Agencies training program is suitable for federal employees and contractors in non-DoD "civil" agencies and the intelligence community. The full program consists of a one-day *RMF for Federal Agencies – Fundamentals* class, followed by a three-day *RMF for Federal Agencies – In Depth* class*.*
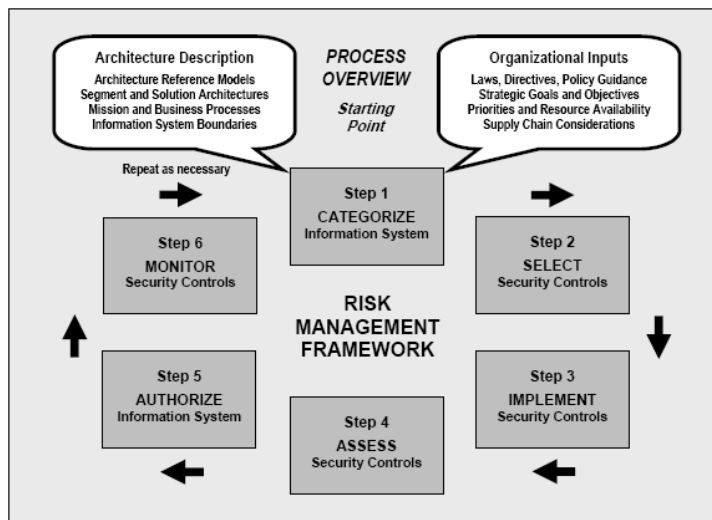
- *RMF for Federal Agencies – Fundamentals (One Day)* provides an overview of information security and risk management and proceeds to a high-level view of FISMA regulations, roles, and responsibilities, and NIST RMF process steps, including security authorization (aka. certification and accreditation). It also includes an introduction to the NIST RMF documentation package and the NIST security controls.

- *RMF for Federal Agencies – In Depth (Three Days)* expands on these topics at a level of detail that enables practitioners to immediately apply the training to their daily work. Each student will gain an in depth knowledge of the NIST publications along with the practical guidance needed to implement them in his/her environment. Each activity in the NIST SP 800-37 Risk Management Framework is covered in detail, as is each component of the documentation package. NIST SP 800-53 Security Controls and NIST 800-53a Assessment Procedures are covered in detail, as are CNSSI 1253 "enhancements" applicable to National Security systems and the intelligence community. "Class participation" exercises and collaboration reinforce key concepts. RMF for *Federal Agencies – Fundamentals* is recommended as a "prerequisite" to *RMF for Federal Agencies – In Depth*.

Who should attend?

The RMF for Federal Agencies training program is suitable for employees and contractors of federal "civil" agencies and the intelligence community, as well as their supporting vendors and service providers. Managers and others who wish to gain high-level knowledge of RMF should attend RMF for Federal Agencies – Fundamentals (one day). Those who wish to gain detailed implementation knowledge of RMF and NIST Security Controls should attend both *RMF for Federal Agencies – Fundamentals* and *RMF for Federal Agencies – In Depth* (total of four days).

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RMF for Federal Agencies – Fundamentals (One-Day Course)

- Introduction and Logistics
- Information Security and Risk Management Foundation
- Understanding FISMA
- FIPS and NIST Special Pubs
- Risk Management Evolves (NIST SP 800-37, 800-39)
- Introduction to the RMF Life Cycle
- Key Roles in the RMF
- RMF Documentation
- Introduction to Security Controls
- Supporting Resources
- Course Summary
- Course Evaluation

RMF for Federal Agencies – In Depth (Three-Day Course)

Day 1	Day 2	Day 3
• Introduction and Logistics • Foundations of Information Security and Risk Management • *Exercise 1 - Security Brainstorming* • Roles and Responsibilities • *Exercise 2 - Roles/Responsibilities* • RMF Life Cycle Process (NIST SP 800-37) • "Step 0" - Preparing for RMF • *Exercise 3 - System Boundary* • Step 1 – Categorize (FIPS 199, NIST SP 800-60) • *Exercise 4 - System Categorization* • Step 2 – Select (FIPS 200, NIST SP 800-53) • Step 3 - Implement • Step 4 - Assess	• Step 5 - Authorize • Step 6 – Monitor (NIST SP 800-137) • *Exercise 5 - RMF Life Cycle* • RMF Challenges • RMF Documentation • System Security Plan • Security Assessment Report • Plan of Action and Milestones (POA&M) • Supporting Documentation (Artifacts) • *Exercise 6 - RMF Documentation* • NIST Security Controls • Management Controls • Operational Controls	• Technical Controls • *Exercise 7 – "Dissecting" a Security Control* • Security Controls Assessment (NIST SP 800-53A) • *Exercise 8 - Security Control Assessment* • RMF Resources • Automated Security Tools • *Exercise 9 - Security Testing Tools* • Practical Guidance • *Exercise 10 - RMF Project Plan Case Study* • Course Summary • Course Evaluation • RMF "Jeopardy"