

## Security Risk Assessment

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### Course Summary

#### Description

This course will provide participants with KSA's to perform a security risk assessment and prepare a security risk assessment report in accordance with IRS required standards and format. The course will provide the knowledge and ability to use hardware devices and software tools available within the IRS to conduct the Security Risk Assessment and prepare the Security Risk Assessment Report.

#### Audience

This course is designed for IS security specialists

#### Topics

- Ability to perform Risk Assessments on various types of Information
- Knowledge of hardware devices and software applications used to support process activities and tasks.

#### Prerequisites

Security Certification Process is a prerequisite.

#### Duration

Three Days

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### Course Outline

- I. *Ability to perform Risk Assessments on various types of Information Systems and applications in accordance with Government standard and prepare appropriate documentation.*
  - A. Learning Objectives:
    - Identify the components of a risk assessment
    - 1. Determine the steps of the risk assessment components
    - 2. Determine the scope of the risk assessment based on IRS requirements (Note: Logical ways to determining boundaries and how best to define scope to ensure all systems/applications are certified)
    - 3. Use data gathering tools and techniques to identify potential risks to the IRS (Note: Check National Headquarters for current automated tools)
    - 4. Determine whether the condition of the situation is a condition of certainty, uncertainty, or risk
    - 5. Determine the probability of the occurrence of a particular risk using statistical analysis
    - 6. Analyze risk measurements to determine and help generate realistic quality expectations
    - 7. Make appropriate determinations for an acceptable level of risk
  - B. Determine the parts of a risk assessment report, based on IRS requirements
    1. Prioritize identified risks in terms of highest probability, system/application impact, and cost of prevention versus acceptance
    2. Compile the Risk Assessment Reports
- II. *Knowledge of hardware devices and software applications used to support process activities and tasks.*
  - A. Learning Objectives:
  - B. Identify available hardware devices and software tools to assist test development of security controls
  - C. Identify hardware devices and software tools to identify security vulnerabilities
  - D. Describe hardware devices and software tools available within the IRS
    1. Identify software tools to develop security documents
    2. Describe software tools available within the IRS
    3. Prepare security documentation using software tools