

## Training Overview

**Security Controls Assessment** provides a current and well-developed approach to evaluation and testing of security controls to prove they are functioning correctly in today's IT systems. This course shows you how to evaluate, examine, and test installed security controls in the world of threats and potential breach actions surrounding all industries and systems. If a system is subject to external or internal threats and vulnerabilities - which most are - then this course will provide a useful guide for how to evaluate the effectiveness of the security controls that are in place.

The **Security Control Assessment (SCA)** is a process for assessing and improving information security. It is a systematic procedure for evaluating, describing, testing and examining information system security prior to or after a system is in operation. The SCA process is used extensively in the U.S. Federal Government under the RMF Authorization process. Security assessments are conducted to support security authorization events for agencies and organizations. These assessments provide data in a tiered risk management approach to evaluate both strategic and tactical risk across the enterprise.

This security control assessment process identifies vulnerabilities and countermeasures and determines residual risks; then the residual risks are evaluated and deemed either acceptable or unacceptable. More controls must be implemented to reduce unacceptable risk and then re-evaluated. The system may be deployed only when the residual risks are acceptable to the enterprise.

## Training Goals

The goal of the SCA activity is to assess the security controls using appropriate assessment procedures to determine the extent to which the controls are:

- Implemented correctly,
- Operating as intended, and
- Producing the desired outcome with respect to meeting the security requirements for the system.

## Course Prerequisites

A prerequisite to this course is a strong understanding of RMF, and it is highly recommended students complete the 4-day RMF training program prior to registration.

## Delivery Methods

*Security Control Assessment (SCA)* will initially be offered as an online, instructor-led class, using our Online Personal Classroom™ technology.

## Learn More

For additional information on Security Control Assessment (SCA) training, including initial dates for *Security Control Assessment (SCA)*, please call BAI at 1-800-RMF-1903 or visit <https://register.rmfm.org>.

### Security Control Assessment (SCA) – Two-Day Course Outline

- Review of the SCA role in RMF
- SCA Criteria and Requirements
- Assessing Controls – The Process
  - Managerial Control Reviews
  - Technical Control Reviews
  - Operational Control Reviews
- SCA Reporting

**TABLE 1-1: SECURITY CONTROL CLASSES, FAMILIES, AND IDENTIFIERS**

IDENTIFIER	FAMILY	CLASS
AC	Access Control	Technical
AT	Awareness and Training	Operational
AU	Audit and Accountability	Technical
CA	Security Assessment and Authorization	Management
CM	Configuration Management	Operational
CP	Contingency Planning	Operational
IA	Identification and Authentication	Technical
IR	Incident Response	Operational
MA	Maintenance	Operational
MP	Media Protection	Operational
PE	Physical and Environmental Protection	Operational
PL	Planning	Management
PS	Personnel Security	Operational
RA	Risk Assessment	Management
SA	System and Services Acquisition	Management
SC	System and Communications Protection	Technical
SI	System and Information Integrity	Operational
PM	Program Management	Management