

[PDF] Security Controls Evaluation, Testing, And Assessment Handbook

Leighton Johnson - pdf download free book



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Description:

Security Controls Evaluation, Testing, and Assessment Handbook 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 handbook 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 book will provide a useful handbook for how to evaluate the effectiveness of the security controls that are in place.

Security Controls Evaluation, Testing, and Assessment Handbook shows you what your security controls are doing and how they are standing up to various inside and outside threats. This handbook provides guidance and techniques for evaluating and testing various computer security controls in IT systems.

Author Leighton Johnson shows you how to take FISMA, NIST Guidance, and DOD actions and provide a detailed, hands-on guide to performing assessment events for information security professionals who work with US federal agencies. As of March 2014, all agencies are following the same guidelines under the NIST-based Risk Management Framework. This handbook uses the DOD Knowledge Service and the NIST Families assessment guides as the basis for needs assessment, requirements, and evaluation efforts for all of the security controls. Each of the controls can and should be evaluated in its own unique way, through testing, examination, and key personnel interviews. Each of these methods is discussed.

- Provides direction on how to use SP800-53A, SP800-115, DOD Knowledge Service, and the NIST Families assessment guides to implement thorough evaluation efforts for the security controls in your organization.
 - Learn how to implement proper evaluation, testing, and assessment procedures and methodologies with step-by-step walkthroughs of all key concepts.
 - Shows you how to implement assessment techniques for each type of control, provide evidence of assessment, and proper reporting techniques.
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