CRITERION systems

Innovate | Collaborate | Secure
CyberScale®

THE CHALLENGE

Continuously evolving cyber threats faced by Federal departments and agencies (D&As), coupled with increasing regulatory requirements and oversight, the move to a risk management versus a compliance approach, and growing resource constraints presents huge challenges. To be effective in this operational environment, Federal D&As must employ a cybersecurity and privacy (CS&P) program that focuses on operating in cyberspace instead of reacting to it.

Federal D&As need innovative CS&P approaches, methodology, and best practices that address interoperability, usability, and privacy adapted to their unique mission and business environments.

To meet this challenge, Criterion Systems, Inc. (Criterion) developed CyberScale®, a U.S. patent-pending cybersecurity compliance and risk management solution.

THE SOLUTION

Criterion's CyberScale® provides a structured manner to enhance the efficiency and effectiveness of the organizational CS&P program, operations, and/or systems. It is designed to help Federal D&As build, adapt, and implement a flexible roadmap to continuously improve their overall CS&P program or project. Criterion starts with a review of the core elements of the CS&P program mission/business. Using CyberScale®, it then applies FISMA, OMB, NIST, DHS, and OIG criteria and measures the as-is and to-be CS&P framework profiles along with the current program maturity level. Leveraging Criterion's CyberScale® approach allows Criterion to define improvement priorities and develop a common understanding of the optimized target state for each core/functional area, CS&P project, and the whole CS&P program. Criterion then designs a strategic/tactical roadmap, corrective action plans, and/or project plans with prioritized milestones to create the desired outcomes and performance metrics for each functional area. The result is a recommendation of a forward-thinking and flexible approach to optimized CS&P services properly aligned to the organization's stated and/or approved risk appetite.

CS&P PROGRAM MISSION/BUSINESS CORE AREA REVIEW

- **Identify:** covers the development of the organizational understanding to manage CS&P risk to information systems, assets, data, and capabilities
- **Protect:** covers the development and implementation of the appropriate safeguards to ensure delivery of critical infrastructure services
- **Detect:** covers the development and implementation of the appropriate activities to identify the occurrence of a CS&P event
- **Respond:** covers the development and implementation of the appropriate activities to act regarding a detected CS&P event
- **Recover:** covers the development and implementation of the appropriate activities to maintain plans for resilience and to restore any capabilities or services that were impaired due to a CS&P event

Contact Us

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Criterion CyberScale®

How will you score? ✔

CS&P Maturity Level: 1 Ad-Hoc → 2 Defined → 3 Consistently Implemented → 4 Managed & Measurable → 5 Optimized

CS&P Framework Profile			1 Ad-Hoc	2 Defined	3 Consistently Implemented	4 Managed & Measurable	5 Optimized
IDENTIFY	ID		Organization's Mission, Objectives, Stakeholders, and Activities are Not Understood and Prioritized	Physical Devices and Systems are Inventoried	Organizational Information Security Policy is Established	Risk Responses are Identified and Prioritized	Comprehensive Risk Management Strategy is in Place
PROTECT	PR		Identities and Credentials are Poorly Issued, Managed, Revoked, and Audited	Privileged Users Technologically Required to Logon with Two-Factor	Protections Against Data Leaks are Implemented	Protection Processes are Continuously Improved	Enhanced Cyber Architecture
DETECT	DE		Many Security Alerts with Limited Centralization or Event Correlation	Correlation Between Vulnerability Mgmt. and Sensor Coverage	Environment and Technology Tuned Based on Threats	Network and Data Flow Baseline Established and Managed	Security Continuous Monitoring Including Malware Defense Capabilities
RESPOND	RS		Ad Hoc Incident Response	Standardized Cybersecurity Tools	Response-based Performance Metrics	Results-based Performance Metrics	Compliance Metrics Tied to Mission Success
RECOVER	RC		Undocumented Recovery Strategies, Plans, and Procedures	Organization has a Disaster Recovery Plan	Recovery Testing, Training, and Exercises	Business Continuity Plan at the Enterprise-level Tested Annually	Recovery Plans Incorporate Lessons Learned

Organizational CS&P Risk

Core Functions (6)

Categories (39)

Subcategories

- Level 4: Adaptive
- Level 3: Repeatable
- Level 2: Risk Informed
- Level 1: Partial
- Level 0: Nonexistent

CRITERION ADVANTAGE

In summary, Criterion's CyberScale® approach applies transformative improvements to optimize the Federal D&As CS&P program or project by supporting the transition from a program compliance model to a risk management model while improving cyber resilience capabilities. Using the current Maturity Level, executive and senior level management can evaluate whether its CS&P Framework Profile – in relationship to its CS&P Maturity Level – is properly aligned. On an ongoing basis, they may use CyberScale® to identify changes to the organization's CS&P Framework Profile when new threats arise, CS&P requirements change, when considering changes to the mission/business strategy, or entering new third-party relationships. With CyberScale®, Federal D&As can focus on operating in cyberspace instead of reacting to it.

ABOUT CRITERION SYSTEMS, INC.

Criterion Systems, Inc. (Criterion) is a systems integrator and cyber operations-focused company. Since 2005, Criterion has provided cybersecurity, cloud/data center management, IT infrastructure operations, and systems engineering for our nation's mission-critical environments across the Federal Government. For these agencies, we provide classified network and information-security operations, cyber defense and Risk Management Framework (RMF) services, and advanced data analytics. Criterion is Capability Maturity Model Integration CMMI-DEV and CMMI-SVC Level 3 certified and an International Organization for Standardization (ISO) 9001-2015, ISO 20000-1:2011, and ISO 27001:2013 company. Criterion is headquartered in Vienna, VA., with sites across the United States.

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