Critical Infrastructure Analysis

Supporting Mission Readiness and Assurance for Your Organization

The understanding

The internal processes and supporting systems of an organization rely upon physical infrastructure and key assets, across multiple domains and geographies, to support their goals and missions. Increasing operational tempo and operating costs translate into higher demand for the maintenance and security of these physical infrastructures and assets. Organizations are expected to continue to operate as normal with increasing threats and hazards to their mission. Do you know what physical infrastructure, assets, and supply chains your organization depends upon for its mission? Do you know if those infrastructures, assets, and supply chains are robust, resilient, redundant, and secure enough to meet your organization’s mission requirements under today’s increasing threats and hazards?

Booz Allen value proposition

Booz Allen Hamilton, a leading strategy and technology consulting firm, has played an active role in providing overarching policy and robust IT solutions to protect and provide assurance of our country’s most vital resources. One of these technical solutions developed was the Critical Asset Management System (CAMS). Commissioned to serve as a critical asset repository for the United States Marine Corps (USMC), in support of Presidential Decision Directives (PDD) 7 and 63 and DoD Directive 3020.40, CAMS is an enterprise-level, asset tracking application developed to identify, manage, protect, and ensure the availability of mission-critical assets, infrastructures, and capabilities deemed vital to the execution of the US Department of Defense (DoD) missions and mitigate impact of mission failure.

Interdependencies between the Armed Services, other DoD agencies, and commercial assets create a collective and integral impact on mission execution. Recognizing such interdependencies, CAMS was designed to support the Defense Critical Infrastructure Program (DCIP) requirements, as well as disseminate information across the Combatant Commands (COCOMs), DoD agencies, Sectors, and Services.

CAMS is designed around a proven methodology for identifying and managing critical assets and informing key stakeholders about service CIP risk management decisions which affect COCOM or Armed Forces’ assigned missions. CAMS ensures the required data is readily available for the process of identifying and prioritizing service CIP requirements as part of the Program Planning, Budgeting, and Execution cycle.

Booz Allen’s experienced team of experts can help you identify your mission’s key dependencies on various physical infrastructures and assets, to include the analytical work of identifying all related interdependencies. This interdependency analysis examines the cascading effects of a
disruption by exploring how one critical asset or infrastructure depends on others. This analysis enables leaders to assess the full impact of infrastructure disruptions and to assist in making strategic and resource decisions to mitigate risk. From identifying a mission’s dependencies upon various infrastructures to providing the information for risk management decisions, we provide results that endure well into the future.

Booz Allen service offering

To support your mission assurance requirements, we offer a wide range of services, including:

• Collection of Supporting Infrastructure Critical Assets (SICA), Task Critical Assets (TCA), and Defense Critical Assets (DCA) relative information
• Capture of mission impact
• Universal Joint Task List (UJTL) and service-level mission sets
• Asset to mission assignment relationships
• Asset to asset dependencies
• Capture of assessment-related data
• Tracking of threats and hazards associated to assets, infrastructure, and supply chains
• Geospatial visualization of assets and dependencies
• Online help and training
• Web Services and Service Oriented Architecture (SOA)
• Reporting
• Notification Services
• Event scheduling
• Thin and Rich clients

Booz Allen experience and expertise

Booz Allen has experience in mission and infrastructure analysis across diverse requirements. Below are examples of clients we support:

• **Defense Program Office for Mission Assurance.** Booz Allen has provided telecommunications analysis, developed automated tools, and helped to develop both missions and infrastructure dependency analysis methodology and provide training for almost a decade.

• **USAF/USMC Critical Infrastructure Program Critical Asset Risk Assessment Project.** Booz Allen has led the development of service-level policy documents, created Critical Asset Prioritization Methodology, guided the creation of comprehensive CIP standards and benchmarks, and conducted on-going risk assessments for both the US Air Force and the US Marine Core CIP programs.

• **Department of the Army’s Critical Infrastructure Risk Management program.** Booz Allen assisted the Army G-3/5/7 in using the Core Competencies of its Balanced Scorecard to identify its dependencies on critical infrastructure, develop risk management strategies and fielded AR-CAMS to support programmatic needs.

Whether you’re managing today’s issues or looking beyond the horizon, count on us to help you be ready for what’s next.