NORTHCROSS GROUP

Cyber Security Services

The cyber world is playing a greater role in practically every aspect of our lives. As our dependency on cyber technology continues to deepen, so have the threats and associated risks of exploitation. Cyber security is an area of safety that needs thoughtful and disciplined attention. NCG designs and implements the infrastructure and daily steps needed to ensure the integrity and availability of those critical cyber assets.

Cyber threats continue to grow in number, scale, and sophistication. Through simple volume of cyber technology use, the attention of those seeking to do harm or seeking personal gain has grown proportionally. To this increasing challenge, cyber security programs—with supporting plans and procedures, counter measures, incident response, and feedback loops to drive improvements—must have the maturity to match these threats.

NCG's breadth of capabilities allows us to quickly understand how an organization operates, affording NCG's team the ability to design and integrate a tailored cyber security solution that encompasses all aspects of security (physical, access control, etc.), development life cycles, management, and governance practices.

IT Discovery – The *Getting Started* Point

NCG's IT Discovery provides a quick and accurate view of where an organization stands. This broad-reaching assessment looks at current technology infrastructure, connected third parties, controls, policies and procedures, plans, programs, and resources.

NCG's experienced team identifies areas requiring immediate attention, issues that should be addressed, and items to set as longer range targets. The output of an IT Discovery assessment is a tailored roadmap for addressing deficiencies and leveraging strengths.

NCG Services:

- Application and Network Scanning
- Penetration Testing
- Hardware/Software Hardening
- Risk Assessments
- Risk Management Programs
- Third Party / Extranet Audits and Assessments
- Program, Policy & Procedures, Handbook Development and Updates
- IT Security Training
- Compliance/Conformance with multiple program processes (NIST, FISMA, SCADA, NRC, NERC CIP, etc)
- Security Monitoring Programs

Proven Track Record:

- Implementing complex programs in dynamic environments
- Meeting operational and tactical objectives
- Laying groundwork for future needs and continuous improvement

A Sustainable Cyber Security Framework

For a program to be successful, it must be sustainable. NCG has a successful track record of tailoring frameworks to fit an organization's needs and current capabilities. With an inclusive perspective, NCG ensures frameworks are understandable and repeatable for the different levels of the organization. We ensure that communication is facilitated with secure information access controls.

Programs, Plans, and Policies & Procedures Hierarchy

NCG designs a framework that best supports an organization and implements the basic cyber security steps, with scalability for growth and greater complexity. NCG's hierarchal model starts with defining programs that describe the management, oversight aspects, and scope. Plans support the program by detailing how the objectives are to be met. Policies and procedures provide details outlining how to implement the tasks identified in the plans.

Cyber Security Program Development

NCG cyber security programs—with supporting plans, policies and procedures—have an ecumenical perspective. NCG ensures coverage for human factors, interfaces to third parties, physical hardware, system software, network heuristics, operations, application development, and physical security.

NCG builds plans tailored to the organization that delineate roles and responsibilities of key resources. Plans include established processes to reassess, validate efforts, and facilitate course corrections as necessary. Level of effort prioritization and task management are key plan components to ensure that resources know what to do and when to do it.

NCG reviews existing policies and procedures to ensure operational level support for plan activities. NCG provides updates, and creates new policies and procedures as needed. For supporting communication and training, NCG creates

Highly Skilled Team:

- Defense, Civilian, and Intelligence experience

- Highly regulated industry experience:
  - Financial services
  - Energy
  - Healthcare
  - Manufacturing
  - Transportation

- Representation with regulators & Congressional reviews

- Current and previously held clearances

- Blend of technical and management expertise

materials and provides session facilitation to support the adoption and implementation of these changes across the organization.

Oversight and Governance

NCG uses multiple methodologies to support ongoing oversight and governance—all of which are based on a closed loop process of data collection, assessment, validation, and effectiveness measurement. NCG builds processes to evaluate program design and performance, and identifies improvements as needed.

Vulnerability Scans and Penetration Tests

NCG vulnerability scans conform to compliance standards such as FISMA, PCI, and HIPAA. The vulnerability scans examine external and internal facing elements to identify security vulnerabilities that can be prioritized for consideration in later remediation efforts.

Penetration Tests launch remote exploits for the detected operating system and services, starting with those least likely to cause crashes until one succeeds in establishing a shell connection. Exploits are reported and severity rated to prioritize efforts accordingly.

The Northcross Group (NCG) is a New England based firm providing business system and technology services. NCG makes it our business to ensure that technology serves our clients, allowing them to meet business goals, gain competitive advantage, enhance security, implement governance, ensure compliance, and stabilize operations.

NCG consultants bring a blend of technical and business acumen with a proven track record in the public, private, and non-profit sectors. We approach business challenges head-on and figure out the most effective way to leverage technology to reach objectives.

NCG uses disciplined processes, refined from decades of experience. Flexibility is a cornerstone of our industry-tested methodologies—giving NCG the ability to adapt to changing environments and needs.

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