

Cyber Risk Management Services

Customized Cybersecurity Risk Mitigation Solutions

The speed with which cyber security risks evolve is as staggering as the magnitude of the liability associated with attack. From simple phishing scams to complex data security breaches, losses can be devastating in confidential, proprietary and customer information as well as in public trust and corporate image. The days when companies felt safe with passwords and firewalls alone are long gone. Today, thorough protection demands a holistic, comprehensive, integrated control system for managing risk.

To protect against these threats, PKF O'Connor Davies helps implement practical risk assessment frameworks that include continuous monitoring and real-time assessments. The specialists in our Information Technology Risk Advisory Group engineer tailored solutions to protect application information and network security, prepare for disaster recovery and business continuity, and deliver end-user education.

A Sophisticated, Systematic Approach

Highly-qualified and deeply knowledgeable, our cybersecurity professionals serve as trusted advisors, providing clients with expert support protecting networks, computers, programs and data from attack, damage or unauthorized access. Employing a proprietary 10-point process for identifying vulnerabilities, they measure the security of the IT environment by simulating a malicious attack either within or outside the organization's security perimeter. This allows them to analyze the computer, network and application systems as a hacker or rogue employee would, spotting weaknesses, technical flaws and vulnerabilities. It offers a precise illustration of how a system would – or would not – withstand such an attack.

Our specialists present these findings along with recommendations for strengthening IT organizational policies, operational standards and procedures in a formal

report. Then, we discuss the issues and opportunities further in an in-person meeting. Recognizing that while our reports may be sufficient, we believe the real value is in assuring senior leadership understands the implications of the findings. Remediation is often not cost prohibitive and cost-effective solutions are identified and can be easily implemented. Our specialists are trained to develop practical solutions that leverage existing resources (i.e., people, processes and/or technologies) to remediate any deficiencies identified. At the same time, when more problematic risk scenarios are identified, we'll recommend tailored solutions to protect multi-layered systems and those with large amounts of confidential, financial, health and other personal data.

The Advantages We Deliver:

Profound Expertise

Both our principals and team members possess strong foundations in all aspects of information technology and cybersecurity – several are designated “ethical hackers.” They stay abreast of existing and potential threats and serve as a single point of contact for all interactions, which also enables heightened service and sensible cost efficiencies.

Scenario-Specific Solutions

To address all areas of cyber risk – and those specific to each client's situation – we tailor programs to target issues such as: remote and wireless networks, operating systems, data and network devices; user account management; online EFT transactions; change and problem management; employee phishing exposure, spam filter effectiveness and more.

**KNOW
GREATER
VALUE**

Is your organization safe?

- ✓ Do you have an IT governance program?
- ✓ Is your governance program up-to-date and supportive of your business objectives?
- ✓ Are you in compliance with federal and state security and privacy laws?
- ✓ Which staff might fall prey to phishing?
- ✓ Have you tested your network's internal and external vulnerabilities?
- ✓ Are your remote and wireless networks fully secured?
- ✓ Do you employ encryption to sensitive information assets?
- ✓ Are physical servers and equipment protected from sabotage?
- ✓ Can your system withstand a malicious hacker or trusted insider's attack?
- ✓ Do all employee passwords meet industry and firm standards?
- ✓ Will your back-up system protect your data in a disaster?
- ✓ Have you done all you can to ensure that your cyberinsurance policy will cover financial loss?
- ✓ Do you have the ability to detect a data breach?
- ✓ Are your systems patched and anti-virus comprehensively installed, up-to-date and monitored?

Because every client is unique in its information security exposure and requirements, before any engagement begins we ensure that we understand the information security risks specific to the business model and resources available to address such risks.

Clear, Critical Communications

Information technology and cybersecurity have "languages" all their own. Because our specialists understand both the complexities and nuances of advanced technology, they are fluent in this terminology – and more importantly, they are adept at translating it, clarifying implications and explaining need-to-know details to foster sound decision-making to senior management and board members.

Security Awareness Support

Engineering a high level of security awareness is one of the most effective steps in protecting against hacking and cyber fraud. Armed with in-depth knowledge of our clients' organizations and operations, our specialists can develop internal education programs that address specific needs and reflect employee populations, abilities and time constraints. Clients may opt for training onsite or via interactive webinar. Regardless of the deployment method chosen, employees will acquire an enhanced perception on cybersecurity and their own roles in protecting the organization.

Comprehensive Testing, Tailored Solutions

Our Cyber Risk Management Services include:

- Cyber Security Risk Assessments
- Cyber Security Vulnerability Assessments
 - Internal and External Network Scans
 - Threat Modeling
- Social Engineering Campaigns
 - Phishing E-mails and Phone Calls
- Security Awareness Training
 - Customized and Instructor Led
 - Special Executive Training
 - Fund Transfer Fraud
 - Whaling

**KNOW
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- Network and Web Application Penetration Testing
- Security Framework Gap Analysis and/or Implementation
 - NIST
 - ISO 27001
 - SAN's Top 20
- Privacy Assessments
- SEC Office of Compliance Inspections and Examinations (OCIE) Cyber Security Readiness Assessments
- Information Security and Privacy Compliance
 - HIPAA Security Rule
 - HIPAA Risk Assessments (Meaningful Use Compliant)
 - PCI-DSS Gap Analysis and Scope Reduction Assessment
 - GLBA
 - FERPA
- Forensic Data Acquisition and Analysis
- Plan Development and Reviews
 - Incident Response
 - Business Continuity
 - Disaster Recovery
- Service Organization Control Reports
 - SOC 1, SOC 2 and SOC 3 reports
- Outsourced or Co-sourced Internal IT Audit
- IT Governance Development and Business Strategic Alignment
- SOX IT Controls Audit Matrix Establishment
- Policy and Procedure Development and Review
- General Best Practice Consulting

Distinguished representation in global, domestic, regional and local markets.

With nearly 100 partners and more than 600 professionals in the New York metropolitan area alone, we possess the resources to assist organizations of every type and size yet, deliver the focused personal attention that many larger firms cannot. Our renowned client service is available on a worldwide scale, thanks to our membership in the PKF International Network of accountants and business advisors, ensuring expertise wherever you take your operations and wherever you envision your growth.

Contact Us

To discover how we can help enhance your organization's infrastructure security and mitigate the risk of costly liability loss, please contact us directly:

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