2025 CYBER RISK PREPAREDNESS:

THE ESSENTIAL CHECKLIST FOR ENTERPRISES

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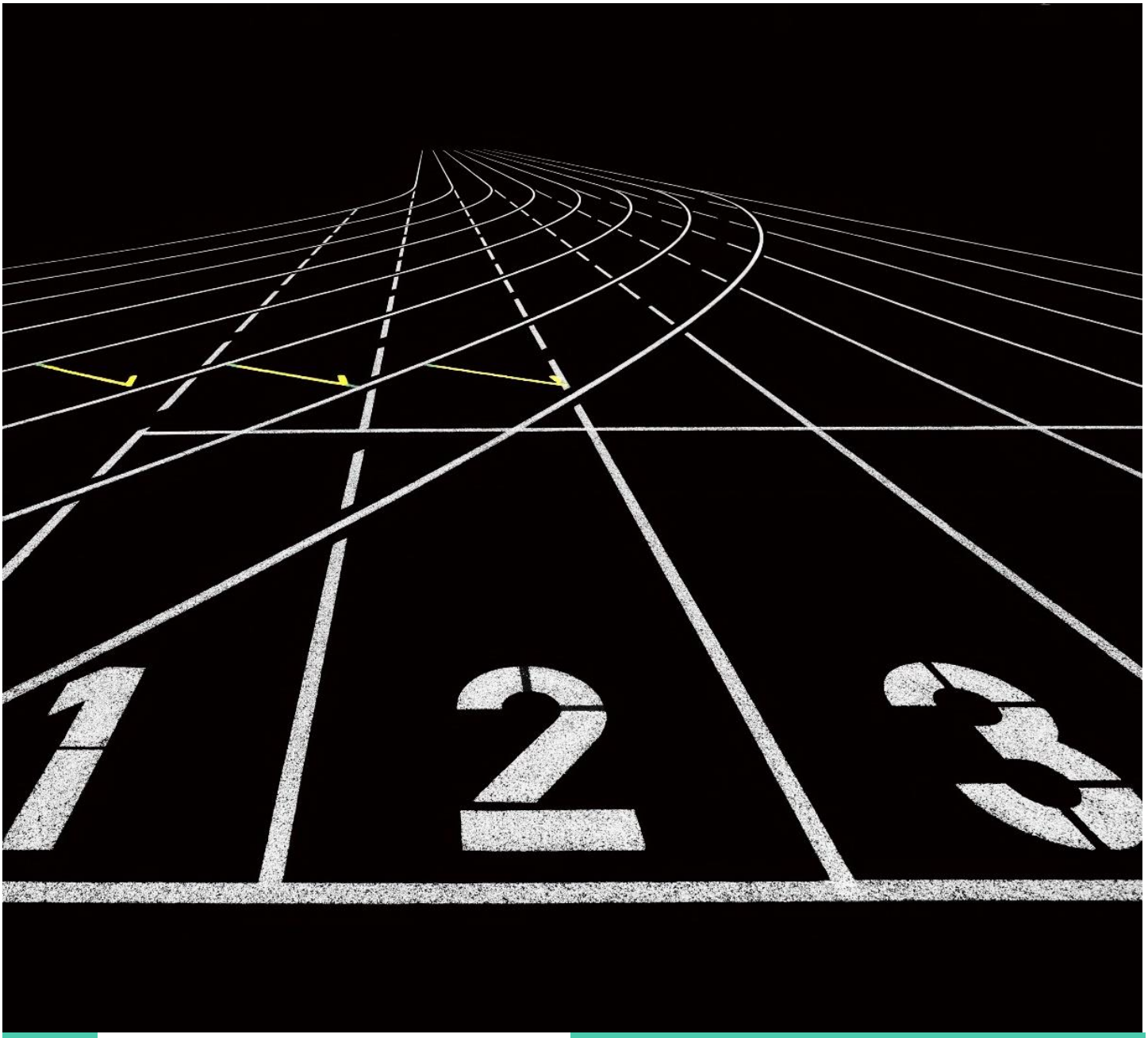

ARE YOU PREPARED FOR EMERGING THREATS?

In 2025, the digital threat landscape is more dynamic than ever, and cyber risk management is finally recognized as a critical business priority. Whether dealing with litigation risks, geopolitical threats, or the explosive growth of IoT, every organization must be prepared.

This checklist ensures that your organization is not only compliant but also proactive in defending against the unique risks of today's digital world. Follow this actionable roadmap to strengthen your cyber defenses, mitigate risk exposure, and avoid pitfalls of unpreparedness.

CYBER RISK CHECKLIST

Risk Area	Key Threat	Immediate Actions
Litigation Preparedness	Exposure to class-action lawsuits following data breaches.	• Build a NIST-compliant risk profile. • Document economic trade-offs before incidents occur. • Ensure ongoing legal preparedness to reduce litigation exposure.
Geopolitical Threats	Rising nation-state attacks due to global conflicts.	• Implement real-world risk solutions. • Use recognized threat taxonomies like MITRE ATT&CK®. • Measure exposure using current, objective risk data.
SBOM (Software Bill of Materials)	Risk of internal compromise through open-source software vulnerabilities.	• Establish SBOM requirements for all software. • Ensure vendors comply with SBOM requirements. • Incorporate SBOM into risk management assessments.
Compliance Through Data	Skepticism from regulators over self-reported risk assessments.	• Establish data-driven processes for digital risk initiatives. • Adhere to frameworks like NIST, FFIEC, and FERC. • Maintain detailed compliance documentation.
IoT Exposure	Increased attack surface with the proliferation of IoT devices (estimated 60 billion by 2026).	• Incorporate IoT risks into risk models. • Quantify potential losses and self-insurance costs. • Proactively address IoT-related risks to ensure operational resilience.
Cloud Risk Management	Unmanaged risks from cloud migrations and hybrid cloud architectures.	• Develop a data-driven cloud risk profile. • Ensure visibility into risks before, during, and after cloud deployments. • Use metrics to guide cloud security decisions.
Cyber Insurance	Inadequate cyber insurance coverage leading to unmitigated financial exposure (e.g., $1.4B loss with only $40M coverage).	• Conduct a complete cyber risk analysis. • Quantify residual risks to inform cyber insurance decisions. • Establish self-insurance for uninsurable risks.
Insurance-Grade Risk Management	Increased scrutiny from regulators, boards, and litigants on data-supported cybersecurity decisions.	• Move beyond outdated models like FAIR and VaR. • Use back tested, data-driven platforms for digital risk assessment, such as an actuarial risk management platform aligned to industry standards.

CONCLUSION

Whether it's implementing an effective risk management platform, optimizing your cyber insurance coverage, or preparing your organization to meet stringent compliance requirements, leverage proven methodologies and industry-leading expertise to transform today's cybersecurity challenges into opportunities for growth, resilience, and long-term success.

ABOUT ARXNIMBUS

Founded in 2016, ArxNimbus set out to revolutionize cybersecurity by applying actuarial quantitative risk management to digital risk exposure for organizations of all sizes. Backed by the sponsorship of US Strategic Command, ArxNimbus developed the patented Thrivaca™ Risk Profile—the only NIST-approved solution for generating a financial rendering of comprehensive cyber risk exposure. With Thrivaca, organizations can enhance their existing risk management strategies, recover costs, reduce unfunded liabilities, tackle tech debt, and minimize litigation risks—all while securing vital management support for cybersecurity investments.

Trusted by enterprises and cyber insurers alike, ArxNimbus delivers accurate, actionable insights, verified by researchers, actuaries, and economists. Recognized as a veteran-owned, Gartner Peer Insights Cool Company and honored by Pepperdine University as a Most Fundable Company, ArxNimbus is also celebrated as one of the top cybersecurity innovators by Momentum Partners' Cyberscape.

Don't wait until it's too late. Partner with ArxNimbus to proactively protect your organization, reduce litigation exposure, and gain the peace of mind that comes from knowing your cyber risks are fully understood and managed.

Let's take the next step toward a secure digital future—together.

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