Enterprise Information Security

FUTURE-PROOFING PROCESSES

RECOMMENDATION	ACTIONS	RESULTS
Shift Focus from Technical Assets to Critical Business Processes	- Acquire deep understanding of business processes from end-to-end - Work with the business to document business processes	- Discern "normal" from "abnormal" conditions within a business process - Ascertain how attackers would undermine processes - Make security controls more effective to better protect the business
Institute Business Estimates of Cyber-Security Risks	- Articulate cybersecurity risks in business terms - Define scenarios describing the likelihood of incidents and magnitude of business impact - Hone risk quantification techniques to approximate projected monetary losses $100,000? $1 Million? $10 Million? $100 Million?	- Weigh cybersecurity risks vs. business rewards - Prioritize cybersecurity risks against other risks - Conduct business risk conversations on materiality of risks and adequacy of mitigation strategies
Establish Business-Centric Risk Assessments	- Implement a more automated risk-assessment process - Track risks as they are identified, evaluated, accepted, and remediated - Modify risk-acceptance process to enable increased risk for select projects short-term	- Realize a holistic view of cybersecurity risks - Make it workable to hold the business accountable for managing risks - Take advantage of time-sensitive business opportunities
Set a Course for Evidence-Based Controls Assurance	- Establish procedures to systematically collect evidence and report on the efficacy of security controls - Document and review controls, focusing on the most critical - Automate collection and reporting over time	- Optimize security controls - Enable efficient audits that are not disruptive to the business - Improve internal and 3rd-party assessments
Develop Informed Data-Collection Methods	- Examine the types of security questions data analytics can answer - Build a set of data-analytics use cases, following an iterative process - Enrich analysis with business process data and external threat intelligence	- Identify relevant sources of data and know how to gain access to this data - Obtain meaningful analysis - Make progress towards a data-analytics capability

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