Cybersecurity assessments have long been seen as the table stakes in the preparation against cyberattacks. But executing these assessments without a holistic, integrated approach only makes them more numerous, complex and, at times, tiresome while not providing insights relevant to management directives. Optiv’s custom approach integrates your business objectives with your appetite for cyber risk management while leveraging relevant industry standards to evaluate the maturity of your organization’s security capabilities. Our solution helps you derive value-driven actionable insights, using cost-benefit analysis that considers return on investment (ROI) of your cybersecurity spending to enable scaling up and maturing effectively.

Security Maturity Assessment Methodology

### Risk and Threat Profile
- Determine key risks and threats from a business, industry and competitor lens
- Identify organizational risk appetite based on executive stakeholder input
- Determine current technology environment
- Understand the organization’s crown jewels and applicable compliance landscape

**Results:** risk profile, threat profile by industry

### Design Evaluation
- Conduct documentation reviews of processes and stakeholder workshops to understand design effectiveness
- Perform qualitative analysis to determine maturity across people, process and technology components

**Results:** findings related to design of security controls

### Technical Assessment
- Conduct quantitative analysis through open-source intelligence (OSINT) and vulnerability scans, as well as optional penetration testing and web application scanning
- Map results from technical assessment to design reviews and validate prior findings

**Results:** findings from technical assessment

### Industry Comparison
- Perform industry comparison against peers of target organization to determine current state of security capabilities
- Determine target-state maturity for security capabilities and document gaps in achieving target state

**Results:** insights from industry comparison analysis

### Reporting and Roadmap
- High-level, actionable recommendations for improvement
- High-impact, prioritized roadmap along with rough estimation of effort, cost, execution timelines across phases, and responsibilities defined including:
  - Technical improvements (technologies and implementation)
  - Policy and procedure guidance
  - Personnel staffing and training requirements
  - Cost-benefit analysis of proposed initiatives
  - Estimated return on security investment

**Results:** actionable, risk-prioritized roadmap and final security program report
Optiv Solutions
Optiv’s industry-leading security capability assessment, with its supporting capability maturity models, enables organizations to evaluate their current cyber readiness and implement cutting-edge cyber practices across their people, processes and technology. Accounting for your risk profile, risk appetite and current technology stack, our methodology allows us to target maturity against your unique regulatory and compliance requirements, as well as your industry peers.

Optiv’s Accelerators
Our deep experience delivering strategic capability assessments for Fortune 100 and Fortune 500 clients enabled us to develop standardized accelerators to hit the ground running on each of our client engagements. Our approach stands apart by leveraging these accelerators:

- **Risk appetite framework** – Optiv’s risk appetite framework enables clients to understand their overall cyber risk appetite or tolerance thresholds based on their ability to identify and mitigate risks across various security capabilities.
- **Industry threat profile** – Threat profiles tailored for individual industries help organizations analyze inherent threat actors and techniques that are prevalent within their respective industry.
- **Industry benchmark** – A repository of capability maturity scores, cybersecurity spending and headcount for each industry provides a rich profile for clients to compare their current program against peers and determine desired, target-state capabilities.
- **Maturity model** – Standardized maturity statements for each security capability—based on the industry-recognized capability maturity model integration (CMMI) scoring methodology—enables an objective measurement of maturity, regardless of the individuals/teams performing the assessment.

Case Study
Technology/Manufacturing

**Desired Outcomes**
A large technology/manufacturing company wanted to perform a holistic, threat-based assessment of their corporate and federal security environment.

**Scope**
The client had a complex environment consisting of multiple business units and wanted the assessment to cover cybersecurity, physical security, supply-chain security, product security, investigations and enterprise resiliency.

**Solution**
Optiv used industry-leading and customized frameworks to assess the current state of each security domain against client-specified, future-state goals. We determined the client’s risk appetite and industry threat profile, customizing the security assessment and control evaluation framework to align with the evolving threat landscape and emerging trends.

**Client Benefits**
Our Cybersecurity Capability Assessment revealed gaps in each of the client’s security domains and provided a roadmap with actionable steps for remediating risks and maturing their current state to target levels. We also out-briefed the client CISO and security team on next steps and facilitated discussions for stakeholder buy-in.

**Secure greatness™**
Optiv Security is the cyber advisory and solutions leader, delivering strategic and technical expertise to more than 7,000 companies across every major industry. We partner with organizations to advise, deploy and operate complete cybersecurity programs from strategy and managed security services to risk, integration and technology solutions. With clients at the center of our unmatched ecosystem of people, products, partners and programs, we accelerate business progress like no other company can. At Optiv, we manage cyber risk so you can secure your full potential.

©2022 Optiv Security Inc. All Rights Reserved. Optiv is a registered trademark of Optiv Inc.