

Cybersecurity for SEC Regulated Firms: The Essential Guide



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Cybersecurity can no longer be ignored

What's the biggest risk facing the financial services industry? The U.S. Securities and Exchange Commission (SEC) believes the answer is cybersecurity.¹

In recent years, the number and complexity of cyber-attacks has increased significantly. This has prompted a response from the SEC in the form of exam sweeps, regulatory guidance and fines.

In this eBook, we'll take a look at the current state of the regulatory landscape, the history that led up to it, and what your firm can do to keep up with growing requirements.

1. <https://www.sec.gov/about/offices/ocie/national-examination-program-priorities-2017.pdf>



The target is on you.

Cybercriminals will go where the money is.

Cybercrime is a lucrative business and significant financial gain is the primary motivator driving attacks against financial firms. Whether it's access to accounts, trading and investor information, or consumer data, the financial industry holds a wealth of information that can be quickly turned into monetary gain.

Size doesn't matter.

In the past, many small and mid-sized firms considered themselves too small to be of interest to cybercriminals. Results from the SEC's exam sweep contradict this, revealing that most of the examined firms had been the subject of a cyber-related incident. A majority of the broker-dealers (88%) and the advisors (74%) stated that they have experienced cyber-attacks directly or through one or more of their vendors.²

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2. <http://www.reuters.com/article/us-finance-summit-sec-idUSKCN0Y82K4>

A marathon, not a sprint.

Though keeping up with new regulations can feel like an ongoing marathon, it's important for firms to devote time to planning and implementing a comprehensive cybersecurity plan. There is no quick-fix solution to cybersecurity, and those who sprint to the finish line leave room for error in their policies and plans.

Firms should consider cybersecurity an ongoing program that is flexible and agile to new regulations and never before seen threats.

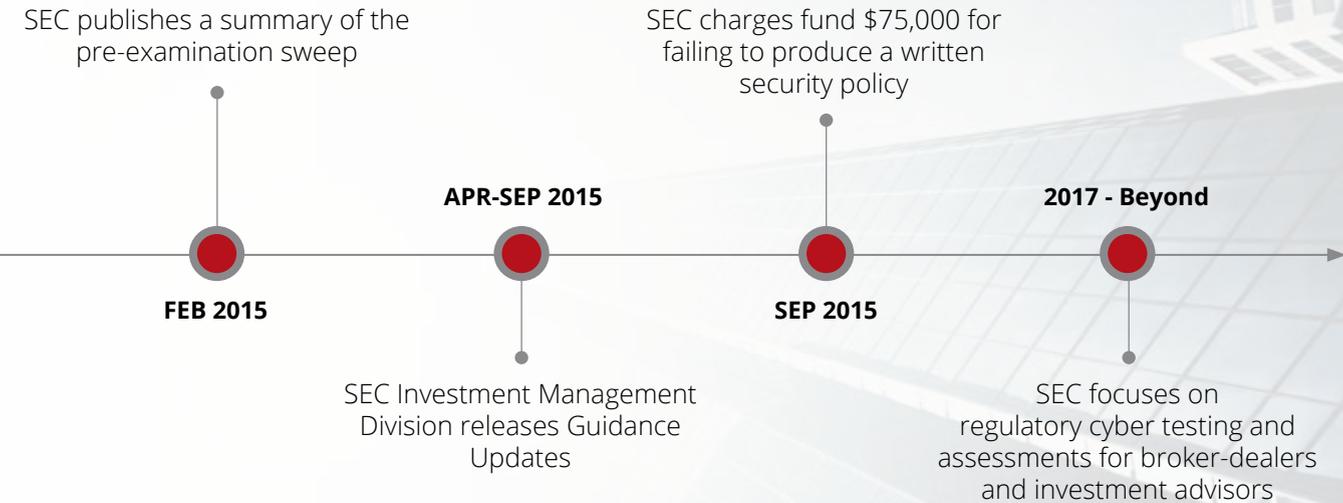
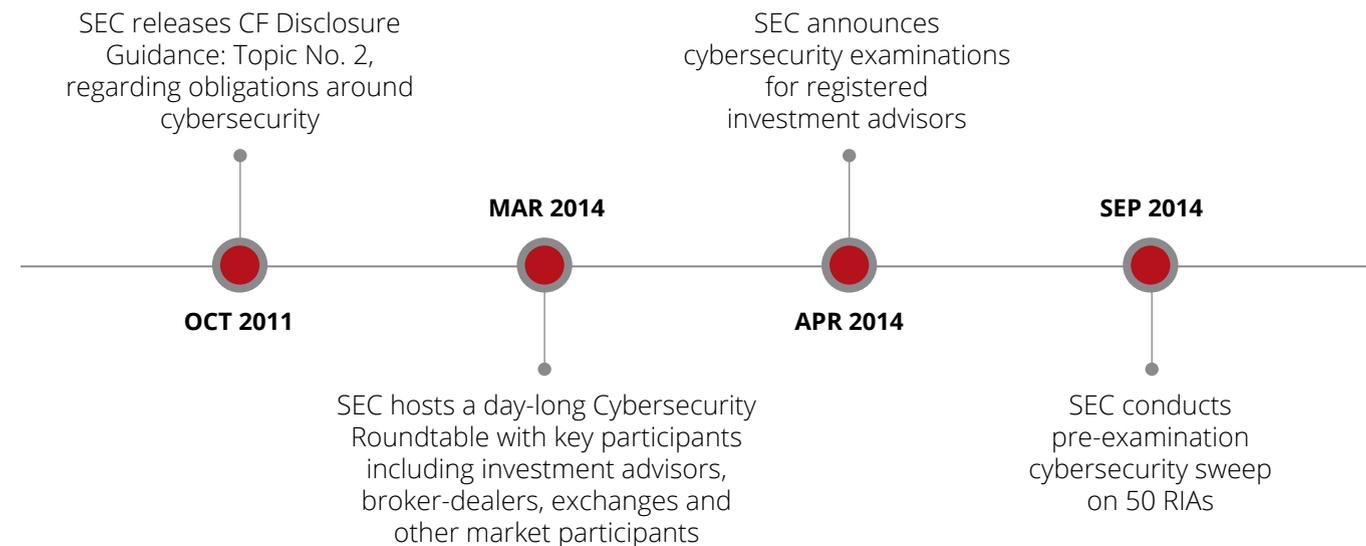


A look back.

Although the SEC first signaled their concern for industry preparedness in 2011, it was 2014 that marked a shift in cybersecurity in the financial sector.

In the spring of 2014, the **SEC Office of Compliance Inspections and Examinations (OCIE)** announced a national exam program to evaluate the cybersecurity maturity of hedge funds. These “sweeps” led to a **Guidance Report** the following April making recommendations that included:

- Conducting periodic security assessments
- Creating a strategy to detect, contain and report breaches
- Developing written security and awareness training policies and procedures



It's clear the regulatory focus on cybersecurity is growing. Now more than ever, it's critical you understand what the changes are, how they apply to your firm and what you can do to prepare for the future.

Looking ahead.

2015

2015 Cybersecurity Examination Initiative:

- Governance and Risk Assessment
- Access Rights and Controls
- Data Loss Prevention
- Vendor Management
- Training
- Incident Response

2016

2016 Cybersecurity Examination Initiative:

- Organizational Purview/Security Governance/Audit Results
- Security Controls, Access Rights and Analysis
- Data-Focused Technology Review–MFA/DLP/Logging/Patch Management
- Vendor Management
- Security Education
- Incident Response Planning

2017

2017 exam priorities released by the SEC stated a continued initiative to examine for cybersecurity compliance procedures and controls, including testing the implementation of those procedures and controls.³

In 2017, the SEC is being proactive about cyber examinations and has encouraged firms to be proactive in their approach as well.

Looking beyond surface level defense, the SEC wants an understanding of how deep policies go and how well cybersecurity defenses have been implemented. Firms should be prepared to identify:

- What data they have
- Who has access to it
- How it's stored
- How it's protected

The initiative to increase cybersecurity awareness in the industry is working, but the SEC wants to take that one step further, ensuring that policies and procedures are tailored to particular risks.³

3. <https://www.sec.gov/about/offices/ocie/national-examination-program-priorities-2017.pdf>

Are you ready?

Cyber threats will continue to evolve, but your priorities should remain consistent when it comes to cybersecurity.

Here's what you should consider when preparing for a cybersecurity-specific exam:

- Do you understand what data you have?
- Do you know what legislation governs the data you have?
- Do you know what cybersecurity threats exist against your firm?
- How are you defending your firm against threats?
- Do you know what access risks exist?
- Can you demonstrate that you're doing what you've claimed?

These recommendations may vary depending on a firm's domicile(s), number of employees, technical maturity, regulatory requirements and strategies. It should be recognized that no regulatory body has given approval, either explicit or tacit, to these recommendations. As such, they should be reviewed on their own merits, as deemed appropriate to the firm.

Have you hit the wall? Regulatory Response Guide

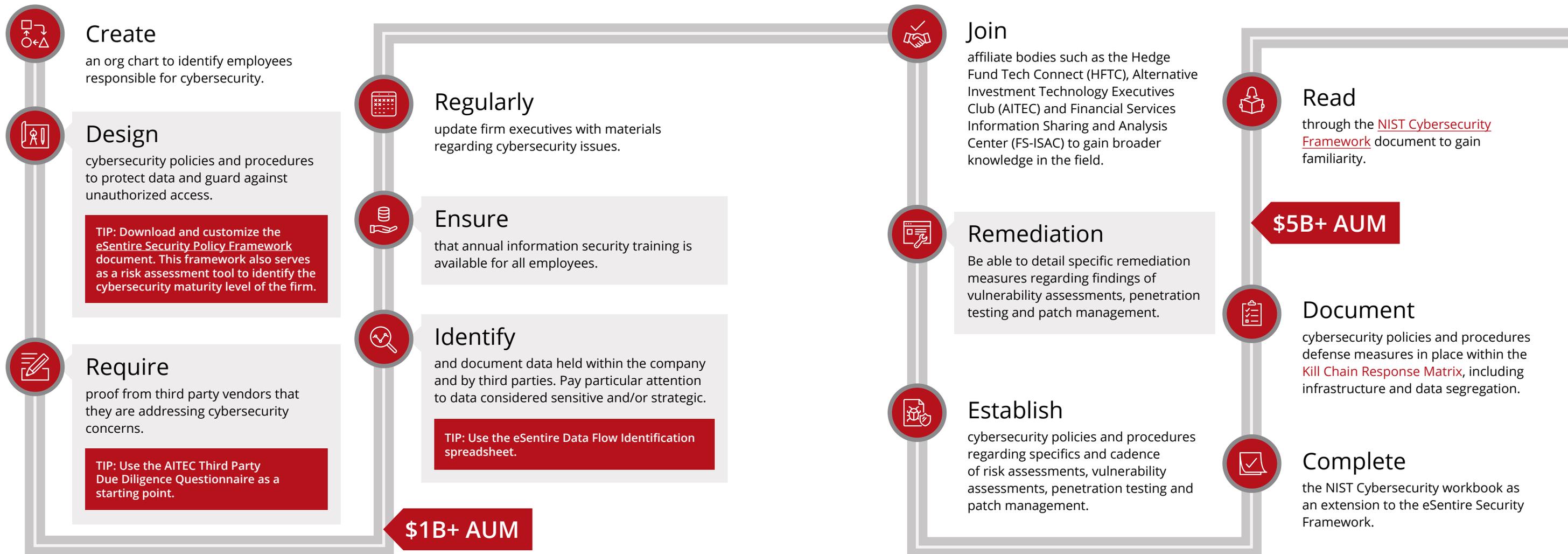
A marathon is 26.2 miles long. Runners usually "hit the wall" around mile 22, when fatigue and exhaustion set in. Have you "hit the wall" with your cybersecurity efforts?

Understanding what is required to comply with examination related guidelines and how you measure up is a challenge for many firms. This guide offers a pragmatic security to-do-list according to the measure of a firm's AUM, to assist in developing sensible approaches to meeting today's growing regulations.

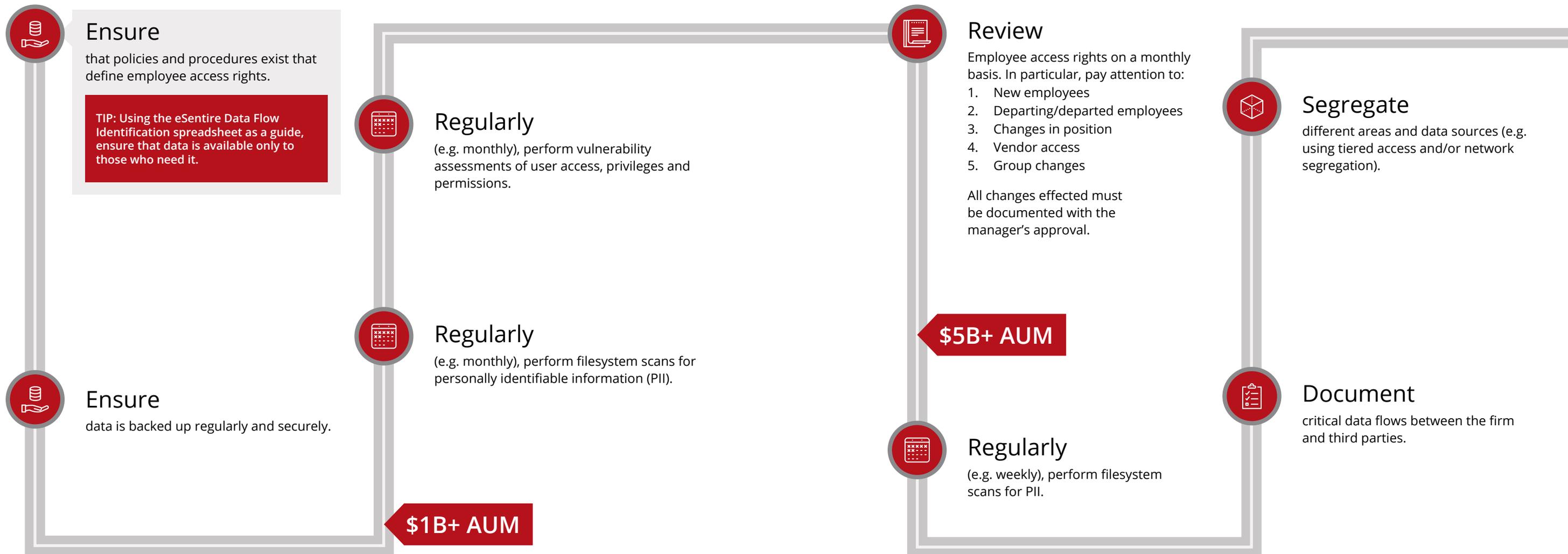
- **Organizational Purview Security Governance Policies and Procedures Audit Details** ▶
- **Security Controls Access Rights and Analysis** ▶
- **Periodic Cybersecurity Assessments** ▶
- **Detecting and Responding to Cybersecurity Threats** ▶
- **Cybersecurity Policies and Procedures (Extended)** ▶



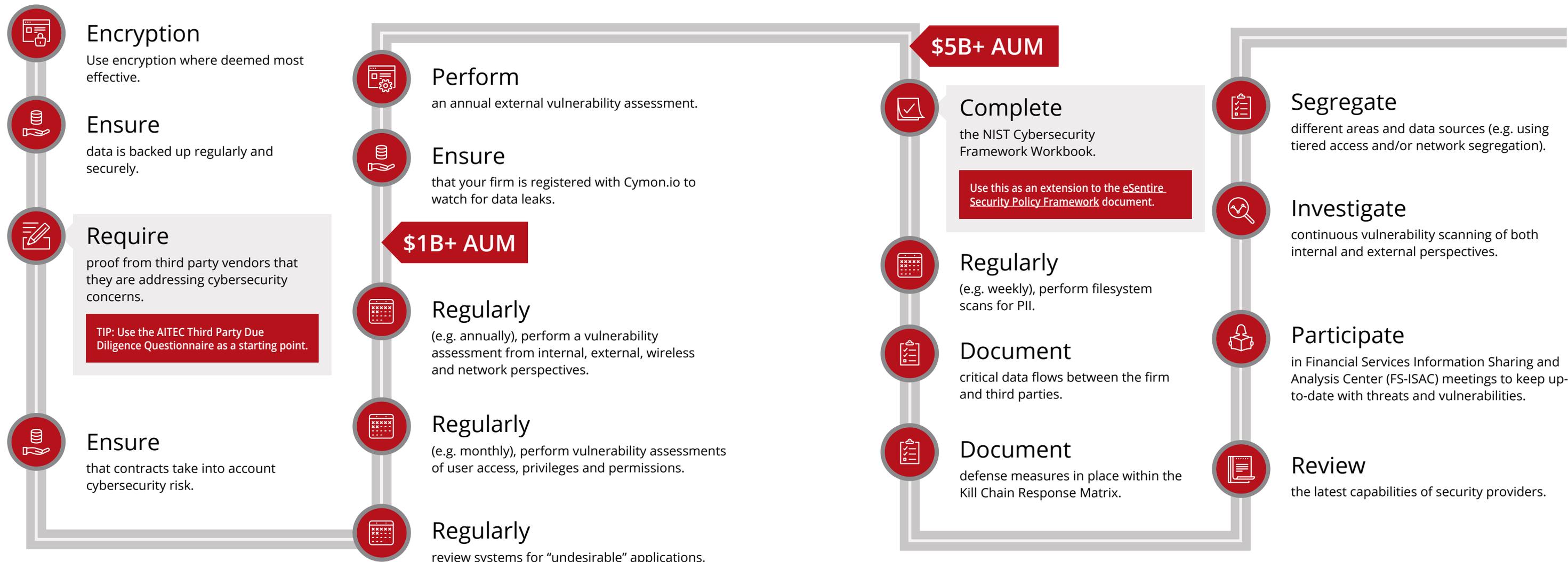
Organizational Purview Security Governance Policies and Procedures Audit Details



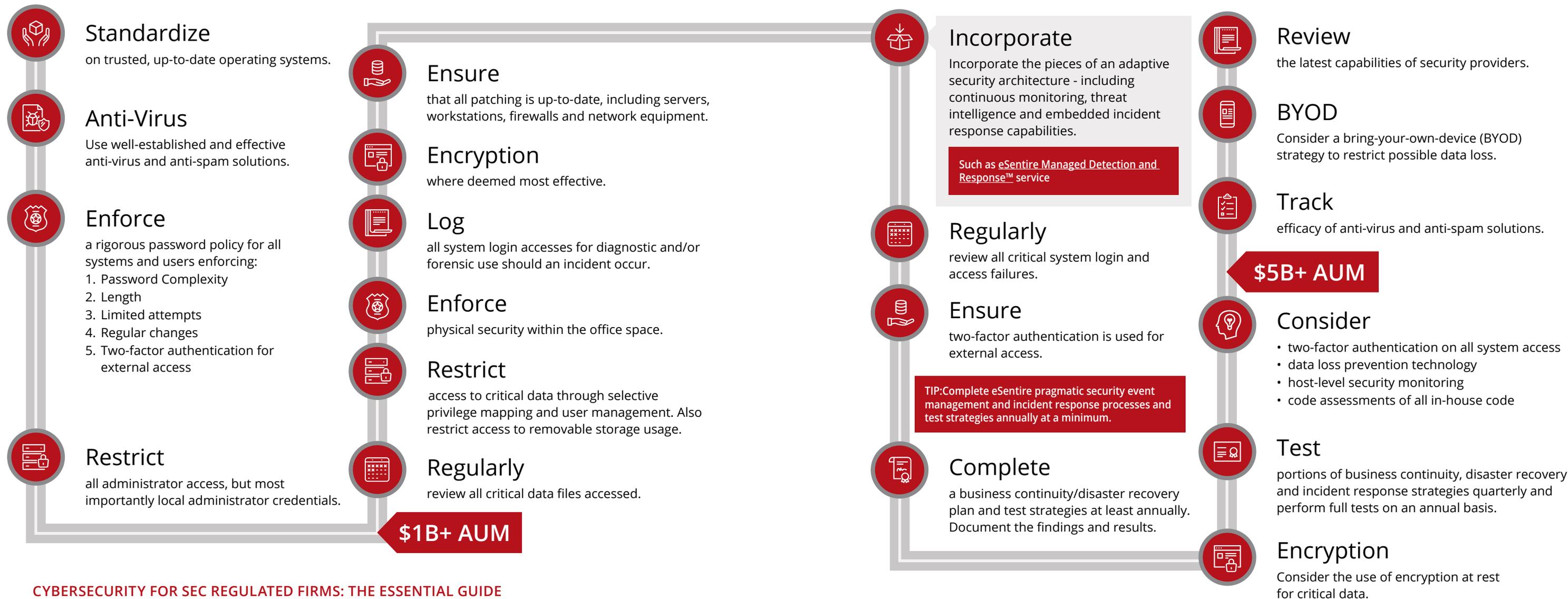
Security Controls Access Rights and Analysis



Periodic Cybersecurity Assessments



Detecting and Responding to Cybersecurity Threats



Crossing the finish line

The SEC's sustained focus on cybersecurity reinforces the importance of a comprehensive cybersecurity and incident-response program.

Regulatory compliance is not just about checking a box. At the heart of SEC regulations is the recognized need for preparedness in the financial industry. Identifying risks, writing policies and procedures, and having the appropriate defenses in place is essential for your business.

Learn More

Visit www.eSentire.com/resources for workbooks, webinars and other free resources to help you improve your cybersecurity approach.



The logo for eSentire, featuring the word "esentire" in a bold, lowercase, sans-serif font. The "e" is a vibrant red, while the remaining letters "sentire" are a dark grey. A registered trademark symbol (®) is positioned to the upper right of the "e". The logo is centered horizontally and set against a dark background with a complex, light-grey geometric pattern of overlapping hexagons and lines.

About eSentire:

eSentire® is the largest pure-play Managed Detection and Response (MDR) service provider, keeping organizations safe from constantly evolving cyber-attacks that technology alone cannot prevent. Its 24x7 Security Operations Center (SOC), staffed by elite security analysts, hunts, investigates, and responds in real-time to known and unknown threats before they become business disrupting events. Protecting more than \$6 trillion in corporate assets, eSentire absorbs the complexity of cybersecurity, delivering enterprise-grade protection and the ability to comply with growing regulatory requirements.

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