



## **SEBI Circular on Cyber Security and Resilience Framework for Mutual Funds and AMCs**

A Point of View

For Private Circulation Only

January 2019

Risk Advisory



# Key provisions and highlights of the cyber security and resilience framework\*



These guidelines by large can be mapped to the NIST framework. The framework was developed with a focus on industries vital to national and economic security, including energy, banking, communications and the defense industrial base.

The 56 provisions made in the guideline has been mapped to the framework to reflect completeness and comprehensiveness of the circular. The following outlines the key provisions for consideration



## Identify and Protect

- Governance
- Identification of critical assets
- Access Controls
- Physical Security
- Network Security Management
- Security of data
- Hardening of hardware and software
- Application security and testing
- Patch management
- Disposal of systems
- Vulnerability Assessment and Penetration Testing



## Detect and Respond

- Process for Monitoring
- Implications of internal and external parties
- Detection of attacks on systems & network
- Alerts and respond to unauthorized or abnormal systems



## Remediate and Recover

- Timely restoration of systems in line with predefined objectives
- Incident of loss or destruction to be included as ongoing learnings
- Periodic drills, trainings & audits
- Information sharing & transparency

\*Refer to the SEBI guidelines provided under the Circular on cyber security and cyber resilience.

## Overall Approach

	<b>Current State Assessment (CSA) against SEBI's Guidelines</b>	<b>Institution of Cyber Security Framework &amp; resilience plan</b>	<b>Implementation &amp; Enhancing capability maturity</b>	<b>Sustenance &amp; Continuity</b>
<b>Deliverables</b>	Current State Assessment Report	Cyber Security and Cyber Resilience Framework	Cyber Security and Resilience implementation road map and program charter	Program charter and review reports
<b>Project management</b>	Manage project and communications			

# Inputs



## Identify and Protect

- ISO<sup>1</sup> 27001/2
- NIST<sup>2</sup> cybersecurity framework
- Global privacy and data protection laws
- ITIL<sup>3</sup>

## Leading practices

- Recognized information security leader
- Project/engagement experience
- Published industry research

## Threat Landscape

- Who might attack?
- What are they after?
- What tactics will they use?

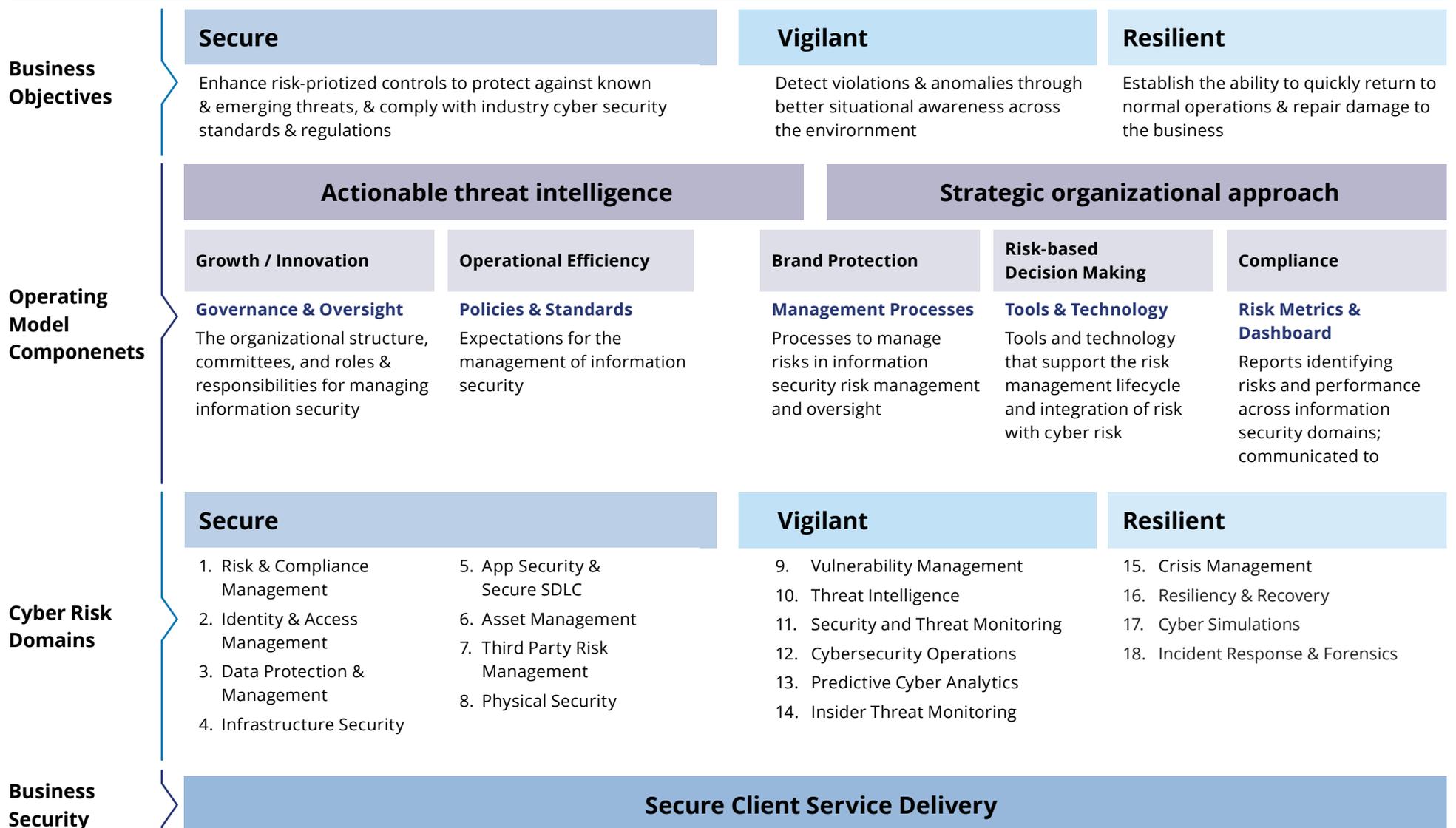
<sup>1</sup> International Organization for Standardization  
<sup>2</sup> National Institute for Standards and Technology  
<sup>3</sup> Formerly known as the Information Technology Infrastructure Library

# Cyber Risk Framework



Deloitte's Cyber Capability Framework is organized by key capability areas that cover leading industry standards. These capability areas are derived based on our experience serving clients, industry leading practices and applicable regulatory requirements.

# Deloitte's Cyber Risk Framework



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# Circular on cyber security and cyber resilience

SEBI



## What are these guidelines?

SEBI has issued a circular to maintain robust cyber security and resilience frameworks to protect the integrity of data and breaches against privacy. As part of the operational risk management there is a requirement for all Mutual Funds (MF) and Asset management Companies (AMC) to comply with circular SEBI/HO/IMD/DF2/CIR/P/2019/12 effective April 1 2019



## What do these guidelines cover?

The focus of the circular is on Cyber Security and Cyber resilience. It is based on the recommendation of SEBI's High Powered Steering Committee where it was decided that the framework prescribed vide SEBI circular CIR/MRD/DP13/2015 dated July 06, 2015 on cyber security and cyber resilience also be made applicable to all Mutual Funds / Asset Management Companies.



## Who are these applicable to?

This guidelines document is applicable to all Mutual Funds and Asset Management Companies regulated by the Securities Exchange Board of India. These guidelines are applicable to all data created, received or maintained by MFs and AMCs wherever these data records are and whatever form they are in, in the course of carrying out their designated duties and functions.



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