



Roadmap to achieve
Comprehensive Cyber Security
Framework for Primary (Urban)
Cooperative Banks (UCBs)
alignment with NASMS

NASMS alignment with RBI-UCB Cyber Security Guidelines

Wissen Baum

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Preface:

The Urban co-operative banks digitally transforming from Traditional Banking and to the new generation industry by offering state of the art digital products to its customers. This use of Information Technology by banks has grown rapidly and is now an important part of the operational strategy of banks. The number, frequency and impact of cyber incidents/attacks have increased manifold in the recent past, more so in the case of financial sector including banks. RBI has issued the Cyber Security frameworks which focuses on following three areas

1. Basic Cyber Security guidelines (applicable to all UCB)
2. Cyber Security Operations Centre (C-SOC)
3. Cyber Security Incident Report (CSIR)

These guidelines focus on **Cyber Security Policy, IT Architecture and Framework, Cyber Crisis Management Plan, Organisational Arrangements, Cyber Security awareness, Protection of information, Risk and Gap Assessment, Network Security, Continuous Surveillance and Incident Reporting.**

Wissen Baum along with our global partners has developed one stop innovative solution for Asset Life cycle management, Vulnerabilities management, Data and Network Security management for continuous Surveillance and Incident reporting. Our SME support will assist in creating Cyber Security Policy, conduct the Risk and Gap assessment, creating Cyber Crisis Management Plan, creating Cyber Security Awareness which is aligned to RBI's guidelines. This makes you to focus on the key objective of sustainability & growth.

RBI-UCB

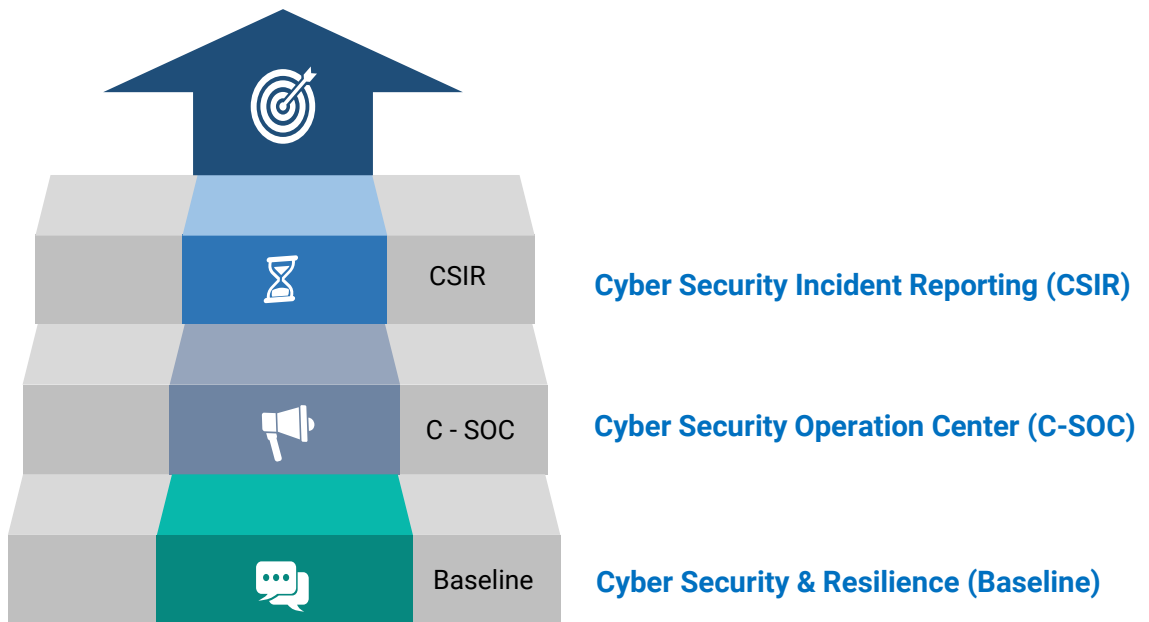
Cyber Security

Guidelines

Alignment with NASMS



RBI has released a Cyber Security framework specially designed for Urban Cooperative Banks (UCBs). This initiative will help create a baseline security architecture across all UCBs that can be scaled further as and when needed.





Requirements of Cyber Security & NASMS alignment:

Annex 1 – Baseline Cyber Security and Resilience Requirements

Inventory Management of Business IT Assets	Preventing execution of unauthorized software	Environmental Controls	Network Management and Security	Secure Configuration
Application Security Life Cycle (ASLC)	Patch/Vulnerability & Change Management	User Access Control / Management	Authentication Framework for Customers	Secure mail and messaging systems
Vendor Risk Management	Removable Media	Advanced Real-time Threat Defense and Management	Anti-Phishing	Data Leak prevention strategy
Maintenance, Monitoring, and Analysis of Audit Logs	Audit Log settings	Vulnerability assessment & Penetration Test & Red Team Exercises	Incident Response & Management	Risk based transaction monitoring
Metrics	Forensics	User / Employee/ Management Awareness	Customer Education and Awareness	SME Support

Annex 2 – Cyber Security Operation Centre (C-SOC)

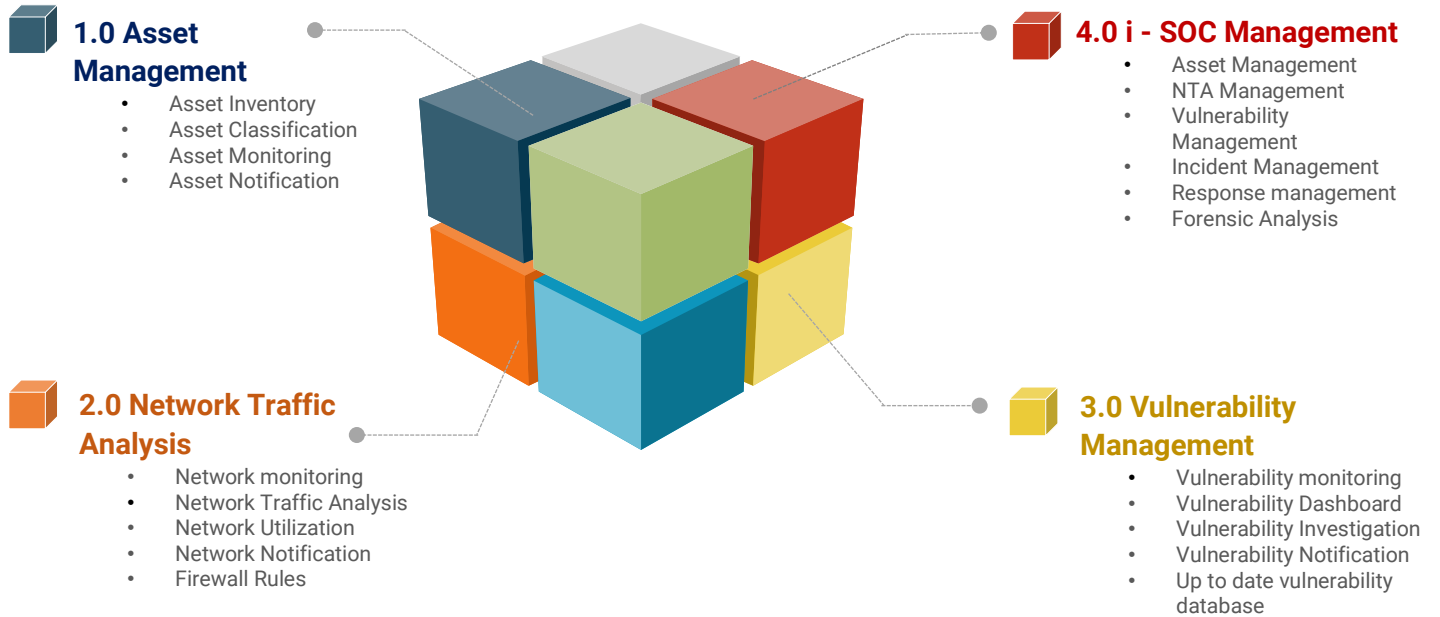
C-SOC Functional Requirements	Governance Requirements	Integration Requirements
People Requirements	Process Requirements	Technology Requirements

Annex 3 – Cyber Security Incident Reporting (CSIR)

Template for reporting Cyber Incidents	Cyber Security Incident Reporting (CSIR) Form
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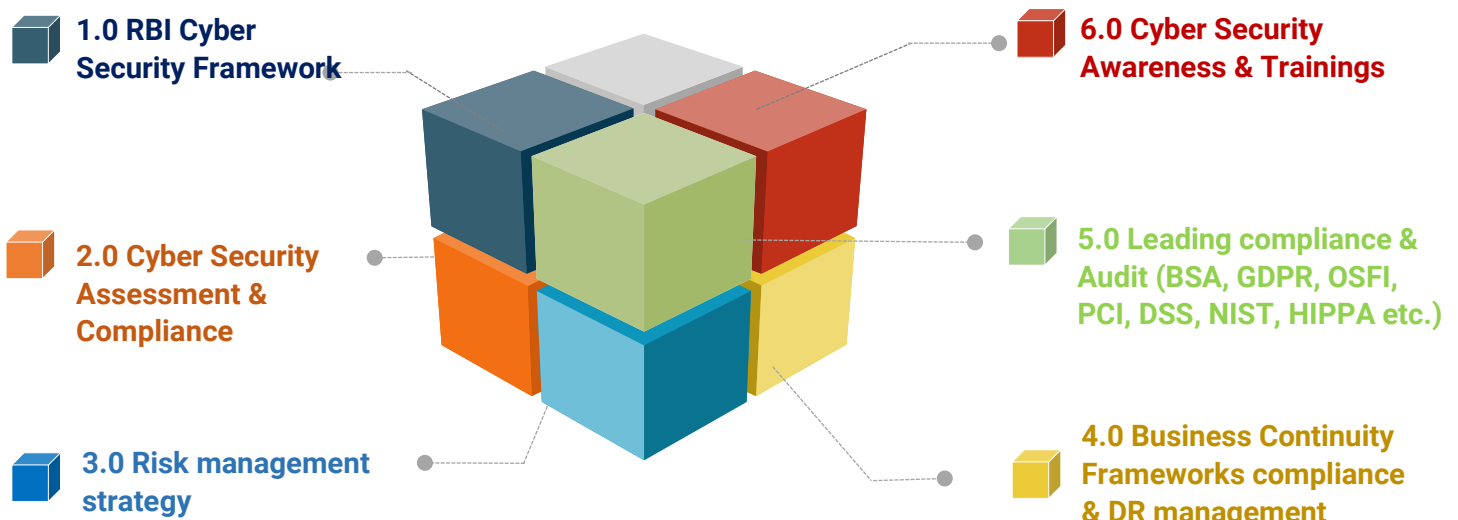
NASMS: Software as a Service (SaaS) solution

NASMS software focus on IT Asset life cycle management. We provide **Software as a Service (SaaS)** solutions in IT Asset Management, Network Traffic Analysis, Vulnerability Management and providing state of art SOC framework to meet your security needs and stay aligned to leading compliance and framework. We work on on-premises solution as well as leading cloud platform such as AWS, Azure, etc.



NASMS: Consultancy as a Service (CaaS) solution

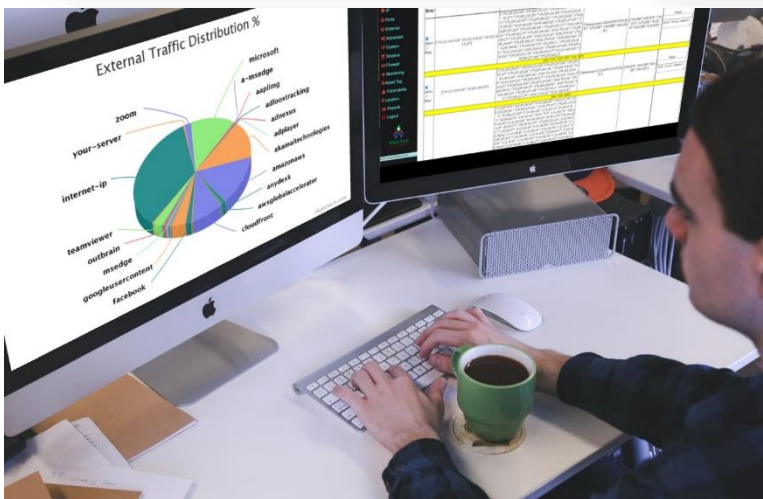
We offer **Consultancy as a Service (CaaS)** in Cyber Security compliances, implementation and training programs, awareness programs for cybersecurity frameworks & audits.





NASMS interface & Customized Dashboards:

We offers 24x7 customisable dashboards which are aligned with Monitoring Configuration Templates, Alert Filtering, Anomalies Detection, Graphical views, Geographical views, Network Traffic Analysis & Vulnerabilities Management. We embed various dashboards to create SOC dashboard.





NASMS Service Modules:

	Particulars	Service Pack 1	Service Pack 2	Service Pack 3
Asset Management	Asset Discovery	√	√	√
	Critical Assets Availability Monitoring	√	√	√
	Real Time Assets Utilization	√	√	√
	Asset Notification		√	√
Network Traffic Analysis	Network Analysis	√	√	√
	Real Time Network Monitoring	√	√	√
	Network Utilization	√	√	√
	Network Notification		√	√
Vulnerability Management	Vulnerability Monitoring of Critical Assets	√	√	√
	Vulnerability Dashboard	√	√	√
	Vulnerability Investigation		√	√
	Vulnerability Notification		√	√
Advance Analysis	Anomalies detection	√	√	√
	Internal IP ranges to external traffic	√	√	√
	Vulnerable Port Traffic Analysis		√	√
	Smart Assets Tagging		√	√
	Advance level firewall rules creation			√
	Micro level Network connectivity analysis			√
	Rule Assist (Business Relevance & Non-Relevance)			√
	Root Cause Analysis			√
Customizable Service	Graphical Views	√	√	√
	Geographical Views		√	√
	Dynamic Interactive Informative Graphs		√	√
	Customizable Configuration Template			√
SOC Service	Asset Management		√	√
	Network Traffic Analysis Management		√	√
	Vulnerability Management			√
	Onsite support by SME			√
	Cyber Security awareness programs & trainings			√

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