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Disclaimer: The opinions expressed in this presentation represent those of the author and do not necessarily reflect the official position of the National Bank of Georgia.

Overview

- Cyber-risk is a systemic operational risk
 - Can have an impact on financial stability
- Financial sector critically dependent on other sectors of the economy
 - IT
 - Telecommunications sector
 - Communication between different sectors and regulators is key
- Georgian banks increasingly using digital technologies
- FinTech becoming more widespread
 - Remote Identification
- Greater use of cloud services





Regulatory Background



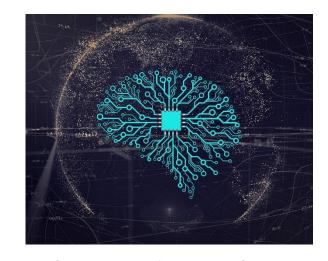
- NBG Introduced operational risk requirements in 2014
 - Regulation for commercial banks
 - Covers information technology and information security
- Cybersecurity regulation adopted in 2019
 - Mandatory for commercial banks
 - Based on NIST
 - Also includes SWIFT CSP controls



Recent Developments: NBG

- Creation of a FinTech Department
- RegLab
- Increased emphasis on financial technology, digital transformation and cyber-risk
 - Report automation
- Digital Banking licenses





BUSINESS REPORTING STANDARD



Board and Senior Management Involvement

cybersecurity regulation

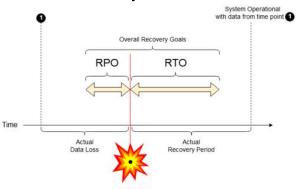
Banks Must Conduct:

- Trainings once per year
- Efficiency assessment of cybersecurity program
- Audits (information systems)
- Penetration tests

Function	Category
Identify	Asset Management
	Business Environment
	Governance
	Risk Assessment
	Risk Management Strategy
Protect	Access Control
	Awareness and Training
	Data Security
	Information Protection Processes
	Maintenance
	Protective Technologies
Detect	Anomalies and Events
	Security Monitoring
	Detection Processes
Respond	Response Planning
	Communications
	Analysis
	Mitigation
	Improvements
Recovery	Recovery Planning
	Improvements
	Communications

Key Aspects that the NBG Looks At

- Process Review
 - new services and systems
- Is the process adequate?
 - Design and implementation flaws
 - Use of third party technology
 - Cloud computing and associated risks
- Business continuity
 - Is the process continuous?
 - What is the potential for System disruptions?









Additional Points for Consideration for New Services



- Penetration testing
- Vulnerability scanning
- Software reviews (code assessments)



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