



NATIONAL BANK OF RWANDA
BANKI NKURU Y'U RWANDA

FINANCIAL SECURITY OPERATIONS CENTER (FinSOC)

Background

The National Bank of Rwanda's (NBR) shared vision is **'to become a World-Class Central Bank', and its mission 'to ensure price stability and a sound financial system'**. Basing on the Revised NBR Strategic Plan 2017/18 – 2023/24, that focuses on ensuring the Bank strive to deliver on its vision. The Bank's strategy has been aligned with the Country's aspiration to become a high income economy by 2050 ensuring a high standard of living for all Rwandans. With the aim of changing external and economic conditions, NBR operates in a dynamic and complex domestic and global economic environment that consistently shapes the way it conducts its business. New strategic orientations are therefore called for to sustain the achievements made so far and ensure the Bank remains relevant in the global economy.

In its mandate to ensure sound and stable financial systems and in its journey to cashless economy, as a regulator, BNR wishes to have real-time visibility on its IT infrastructure and for its potential business partners such as banks and some potential government agencies in identifying and analyzing any cybersecurity events before they become an incident as a failure to timely do so can definitely collapse the whole sector. It is in this context that a modern and next generation Financial Security Operations Center (FinSOC) proposal was conceived. in order to:

1. Provide a solid and efficient foundation towards cyber resilience not only for BNR but for all key players in the financial sector
2. Have a single dashboard to visualize in the real-time the security posture of the key players with ability to automate incident response to all participants without/with minimal human interventions.
3. Support national SOC to control country cyberspace through sectoral SOC.

FINSOC Services

Taking in mind that all participants banks that are being connected to the FinSOC have different level of maturity in part of informational technologies and cybersecurity programs, services provided by the FinSOC will be flexible to fit all possible needs of connected organizations. Depending on the size of the protected infrastructure, existing technologies and available resources in participating banks, FinSOC will provide different schemes of integration that will be tailored to suit the requirements and needs of each organization.



To achieve flexibility, FinSOC provides to participating Banks services of different purpose. According to the 'FinSOC initiative Roadmap' there are following groups of services:



#	Service	Description
1	CERT Incident Coordination	Correlation of Security Incidents from participating Banks to detect Financial Industry Security Incidents
2	CERT Severe Incidents Handling	Providing coordination of operations of different participants under the same attack in the same time
3	CERT Threat Intelligence	Providing collection, analysis and dissemination of information received from third-parties, world-wide known security incidents/vulnerabilities/zero-days/etc.
4	CERT Malware Analysis	Providing a capability to assess a suspicious file discovered in a participant's infrastructure
5	CERT Security Guidance	Preparing and providing information that may help participating Banks to extend their cybersecurity capabilities such as detection and response tips, cybersecurity best practices and other recommendations
6	CERT Detection Guidance	Providing targeted recommendations on detection capabilities to participating Banks based on their Alerts by assessing its coverage, frequency, false positives, etc.



Furthermore, FinSOC will gather information about ongoing cybersecurity attacks and threat actors not only from financial institutions, but also from threat intelligence data and reports provided by National SOC of Rwanda, as well as additional analytics provided by CERTs and subject matter experts around the world.



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