

ABSTRACT

Most organizations recognize the role that Information Technology in supporting their business objectives. In today's highly connected Information Technology infrastructures there is an increasing hostile attack. In all business sectors, including the banking, data security concerns has grown tremendously over the last two decades due to the growing severity and number of security attacks. The attacks are in the form of email fraud, virus, ATM Theft, and other threats that hinders the performance of data security. This calls for an attention from all stakeholders.

Data as one of the valuable asset of an organization need to well and securely manage. Therefore, the purpose of this study was to assess the effectiveness of data security in banking sector using a case study at NBC Bank and to propose best solutions data security problems so as to reduce the potential damage of the systems that may cause loss of important data of the bank. Furthermore, the study sought to investigate the policies and procedures of current practices of Data security in banking sector.

The study also presented theoretical and empirical foundation with relevant literature pertaining the study have been reviewed concerning data security practices, change management, and risk management.

Both primary and secondary data were collected using questionnaires, interview, observation and documentary review. Questionnaires were administered to 50 respondents and only 30 responses were received which helped the researcher to perform data analysis and interpretation with a well structured discussion of findings. The researcher was also successful in obtaining the required data both qualitative and quantitative analysis. The conclusion of the study showed that NBC bank face different problems on data security threats such a Viruses, ATM theft, mishandling of customer's data, phishing and financial fraud. The researcher recommends the organization have to implement strong data security policies that help to inform the users and staff of their obligatory requirement to protect information asset of the organization and risk management successfully through the use of appropriate security attributes.