

# **Improving the efficiency of the wireless network security system at TNG Thai Nguyen Investment and Trading Joint Stock Company**

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**Abstract:** In the context of increasingly sophisticated cybersecurity threats, this topic aims to research and improve the effectiveness of the wireless network security system at TNG Thai Nguyen Investment and Trading Joint Stock Company. Through the process of assessing the current situation, proposing appropriate technical and management solutions, the project will apply a combination of theoretical and empirical methods to enhance defense capabilities against cyber attacks. This not only helps protect critical information but also ensures the stability and operational efficiency of the network system. The expected outcome is the development of a comprehensive security model, contributing to the sustainable development of the enterprise.

**Keywords:** Wireless network security, TNG Thai Nguyen Company, Experimental research