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National cybersecurity implementation in South Africa: The conundrum question

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Abstract

The key to a nation's success is the development of workable strategies, security strategies, and especially a cybersecurity strategy. A problem identified, which this paper addresses, is that there is no visible National Cybersecurity Strategy for South Africa. In contributing to the resolution of this problem, an analysis of the implications of not having a National Cybersecurity Strategy in South Africa is presented in this paper. A combination of the process-based research framework, content analysis, and a subset of the National Institute of Standards and Technology (NIST) framework that we label 'Prevent, Detect, Respond, and Recover' (PDR2) are used to perform the analysis.