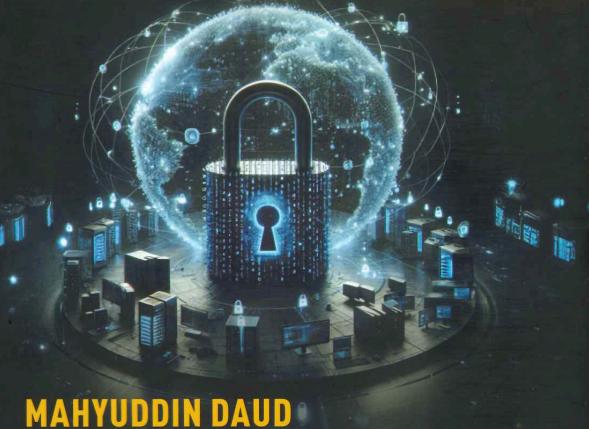
CYBER SECURITY LAW IN MALAYSIA

THEORY AND PRACTICE





SWEET & MAXWELL

Cyber Security Law in Malaysia

Theory and Practice

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Preface

On July 19, 2024, global IT disruptions sent shockwaves through critical sectors, underscoring the cyber security issues that plague the world. A CrowdStrike update caused Microsoft Windows to fail, impacting users worldwide, including those in Malaysia. While initially claimed as not a cyberattack, this disruption brought to light the vulnerabilities in critical sectors. It was only two weeks later that Microsoft confirmed that the outage was caused by a cyberattack, namely, a Distributed Denial of Service ("DDoS") attack¹ and a failure to defend against it properly.²

Earlier, the company issued an apology for the incident. The DDoS lasted almost 10 hours and caused thousands of users to report issues with Microsoft services. Less than two weeks after a major global outage left around 8.5 million computers using Microsoft systems inaccessible, impacting healthcare and travel, after a flawed software update by cyber security firm CrowdStrike. Tony Fernandes, CEO of Capital A or formerly AirAsia was recorded to demand compensation against Microsoft for the said cyber security incident.³ However, there are no public records that can confirm whether AirAsia is seeking to litigate the matter.

The incident mentioned above is just one of many recent events that have deeply affected people around the world. Unfortunately, there is

¹ Cloudfare, "How to Prevent DDoS Attacks | Methods and Tools", Cloudfare (2024), available at https://www.cloudflare.com/learning/ddos/how-to-prevent-ddos-attacks/ (accessed March 28, 2025). A distributed denial-of-service (DDoS) attack disrupts the operations of a server, service, or network by flooding it with unwanted Internet traffic. At their worst, these attacks can knock a website or entire network offline for extended periods of time.

² Graham Fraser João da Silva, "Microsoft Says Cyber-Attack Triggered Latest Outage", BBC News (2024), available at https://www.bbc.com/news/articles/c903e793w74o (accessed March 28, 2025).

³ Lionel Lim, "AirAsia's Tony Fernandes Wants Microsoft Compensation for the CrowdStrike Outage: 'If I Delay My Flight, You Would Come after Me for a Refund'", The Star Online (2024), available at https://www.thestar.com.my/tech/tech-news/2024/07/25/airasias-tony-fernandes-wants-microsoft-compensation-for-the-crowdstrike-outage-if-i-delay-my-flight-you-would-come-after-me-for-a-refund (accessed March 28, 2025).

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Today's life is shaped by the cyber sphere in many ways, whether through emails, social media, video conferencing, data exchange, cloud storage, digital finance, or internet searches. Cyber risks and security breaches are prevalent – a global IT disruption from a cyber attack can bring the entire business world to a halt; scams, hacking, and phishing lead to substantial losses.

In light of these risks and threats, heightened vigilance, keen awareness, and strong cyber security measures are vital to protect all sectors of society. This book examines Malaysia's legislative response to growing digital threats. It provides a clear understanding of the newly implemented Cyber Security Act 2024 (CSA 2024), analyses cyber security governance, and explores the safeguarding of national critical information infrastructures within the cyber security ecosystem. Various frameworks and best practices for handling cyber security incidents are reviewed. The book also discusses the licensing of cyber security service providers under the CSA 2024, offering a comprehensive appreciation of how the regulations work to improve consumer protection, elevate industry standards, and reinforce Malaysia's cyber security ecosystem.

This book will be an essential guide for legal professionals, IT security experts, compliance officers, business owners, and students navigating the complexities of cyber security law.

Key Features

- Extensive coverage of the entire cyber security landscape and its regulatory framework.
- In-depth explanation of the functioning of the CSA 2024.
- Thorough analysis of cyber security governance and the responsibilities of NACSA (National Cyber Security Agency).
- Examination of how cyber security supports national security by protecting national critical information infrastructures.
- Practical insights into strategies to respond to cyber security incidents.
- Overview of the National Cyber Coordination and Command Centre (NC4) established under the CSA 2024.
- Summary of the licensing system for cyber security service providers.

