

CYS 2310
Policy, Legal, Ethics and Compliance

Lecture # 6
Essential Cybersecurity Standards and Controls

Learning Objectives:

Upon completion of this lecture, you will be able to learn about:

- ✓ **Cybersecurity Standards and Controls in Saudi Arabia**
- ✓ **Saudi Arabian National Cybersecurity Authority (NCA)**
- ✓ **Saudi Arabia's Cybersecurity Framework**
- ✓ **Saudi Arabian Standards Organization (SASO)**
- ✓ **National Information Assurance and Security Standards**
- ✓ **Critical Infrastructure Protection (CIP) Program**
- ✓ **Data Protection Regulations**
- ✓ **Cloud Computing Security Controls**
- ✓ **Incident Reporting and Response**



Cybersecurity Standards and Controls in Saudi Arabia

- In Saudi Arabia, the cybersecurity landscape is governed by various standards and controls to ensure the protection of critical infrastructure, sensitive data, and information systems.
- Following slides discusses some key cybersecurity standards and controls in Saudi Arabia:

Saudi Arabian National Cybersecurity Authority (NCA)

- The NCA is the central authority responsible for cybersecurity in the Kingdom.
- It establishes policies, regulations, and guidelines for cybersecurity practices and monitors compliance across various sectors.

Saudi Arabia's Cybersecurity Framework

- The NCA has developed a comprehensive cybersecurity framework to guide organizations in implementing effective security controls.
- The framework covers areas such as governance, risk management, incident response, access control, and awareness training.

Saudi Arabian Standards Organization (SASO)

- SASO develops and enforces technical standards in Saudi Arabia, including cybersecurity standards.
- These standards help ensure the security and integrity of products, systems, and services in various sectors.

National Information Assurance and Security Standards

- The NCA has defined a set of national information assurance and security standards, covering areas such as risk management, network security, system security, and incident response.
- These standards provide organizations with guidelines to protect their assets and respond to cyber threats.

Critical Infrastructure Protection (CIP) Program

- Saudi Arabia has implemented a CIP program to protect critical infrastructure sectors, including energy, water, telecommunications, transportation, and finance.
- The program emphasizes the adoption of robust security controls, risk assessments, incident response plans, and information sharing among sector stakeholders.

Data Protection Regulations

- The Kingdom has implemented the Saudi Data and Privacy Protection Law (SDPPL), which governs the collection, processing, storage, and transfer of personal data.
- The law outlines security requirements and safeguards for organizations handling personal data.

Cloud Computing Security Controls

- The NCA has issued specific guidelines and controls for cloud service providers (CSPs) operating in Saudi Arabia.
- These controls aim to ensure the confidentiality, integrity, and availability of data stored and processed in the cloud.

Incident Reporting and Response

- Organizations in Saudi Arabia are required to report cybersecurity incidents to the NCA.
- The authority coordinates incident response efforts, shares threat intelligence, and provides guidance to affected entities.

Conclusion

- It's important to note that the cybersecurity landscape and regulations may evolve over time, so it's advisable to consult official sources such as the NCA and SASO for the most up-to-date information on cybersecurity standards and controls in Saudi Arabia.

Review

- **Cybersecurity Standards and Controls in Saudi Arabia**
- **Saudi Arabian National Cybersecurity Authority (NCA)**
- **Saudi Arabia's Cybersecurity Framework**
- **Saudi Arabian Standards Organization (SASO)**
- **National Information Assurance and Security Standards**
- **Critical Infrastructure Protection (CIP) Program**
- **Data Protection Regulations**
- **Cloud Computing Security Controls**
- **Incident Reporting and Response**
- **Conclusion**

End of Lecture