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by Tt Tt

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Lopes Manufacturing: Security Program Roadmap

Student's Name

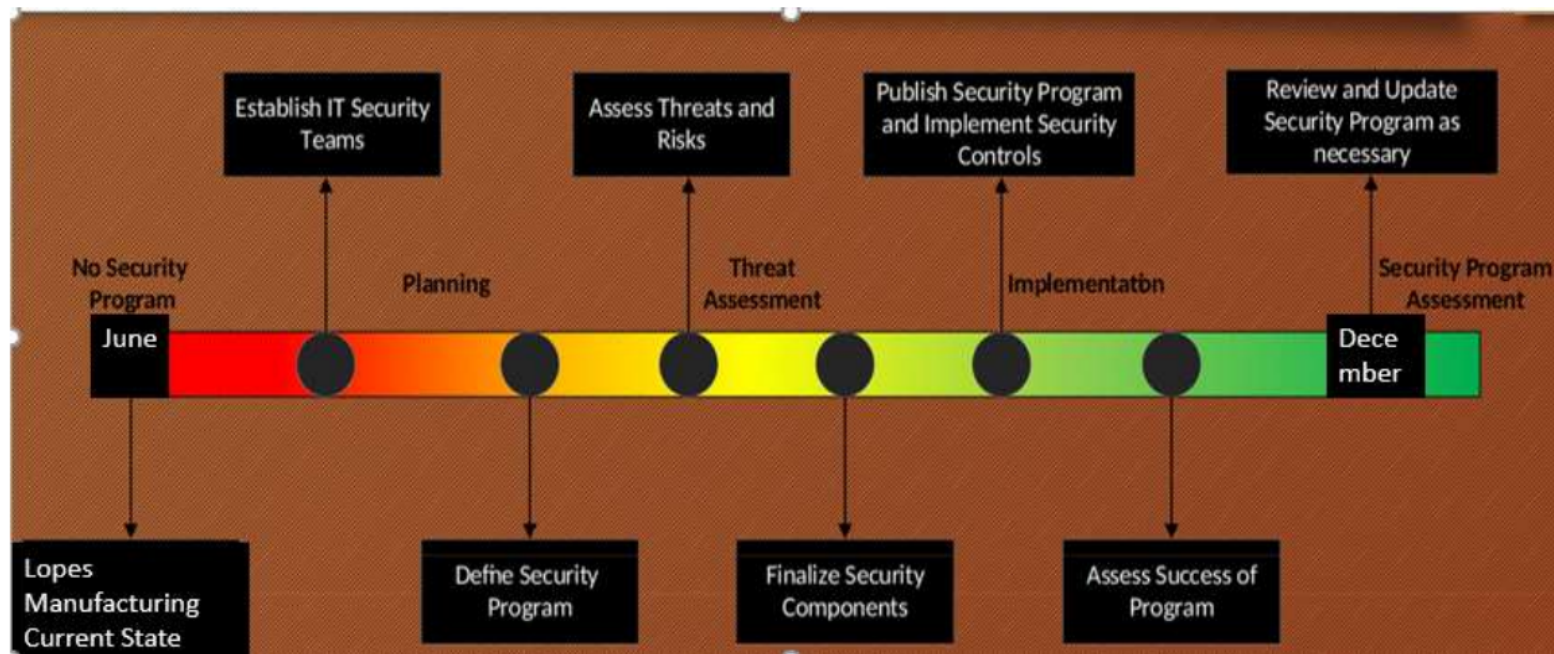
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Design Elements of the Program

- ▶ Security awareness
- ▶ Incident management
- ▶ Risk management
- ▶ Disaster recovery
- ▶ ¹ Identity and access management
- ▶ Provisioning process
- ▶ Security operations center
- ▶ Security engineering
- ▶ Policy management
- ▶ User permission

Implementation Timeliness



Roles and Responsibilities

- ▶ Security operation center in the information technology department will deal examine the risks and execute the program
- ▶ Information security officer will create and plan the program and organize the team to guarantee successful incorporation
- ▶ Project manager will plan all the logistics and conduct evaluation of the security program

Security Controls

- ▶ VLANs will be utilized to isolated different departments (Mehdizadeha et al., 2017)
- ▶ Badges will be created to control authentication access to Lopes information departments
- ▶ Server back-ups and network dismissals for ideal up times
- ▶ personal Identifiable Information will be implemented in locking drawers and server rooms
- ▶ Security policies will be enforced including the ECPA

Necessary Maintenance

- ▶ Ensure all biometric instrument and locks are working efficiently
- ▶ Inspecting physical network equipment and workstations to guarantee suitable operations
- ▶ Automatic updates implemented on the systems
- ▶ Advancing the software to achieve Lopes requirement and security practices
- ▶ Constant monitoring of network traffic and network recital

Analysis of Security Failures

- ▶ Target attacks
- ▶ Misconfigured systems
- ▶ End user error (Rajivan et al., 2017)

Established Laws and Controls

- ▶ Organize several security controls utilizing a group policy
- ▶ Recognize ECPA laws and guidelines to properly store and share customers information (Walker, 2018)
- ▶ Utilize local domain and server manager to effortlessly control user authorizations

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