

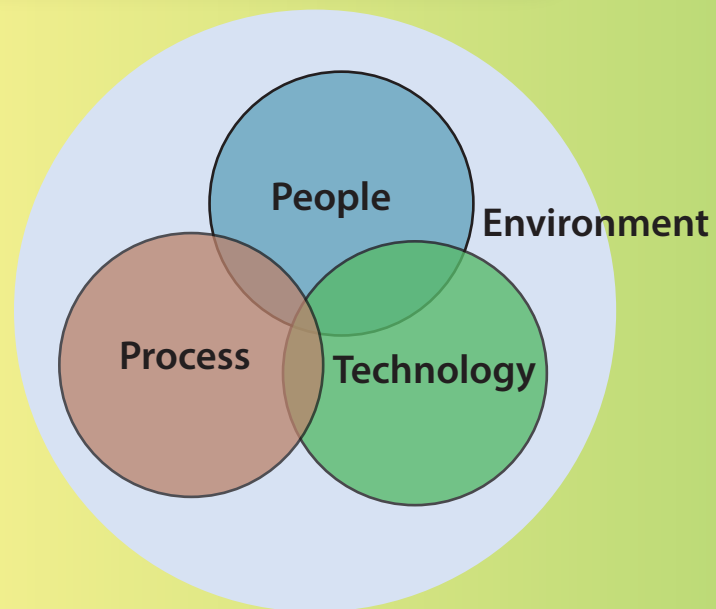


A PHYSICAL SECURITY AND ACCESS CONTROL MODEL FOR MALAYSIAN ARMED FORCES DEFENCES OPERATION CENTRE

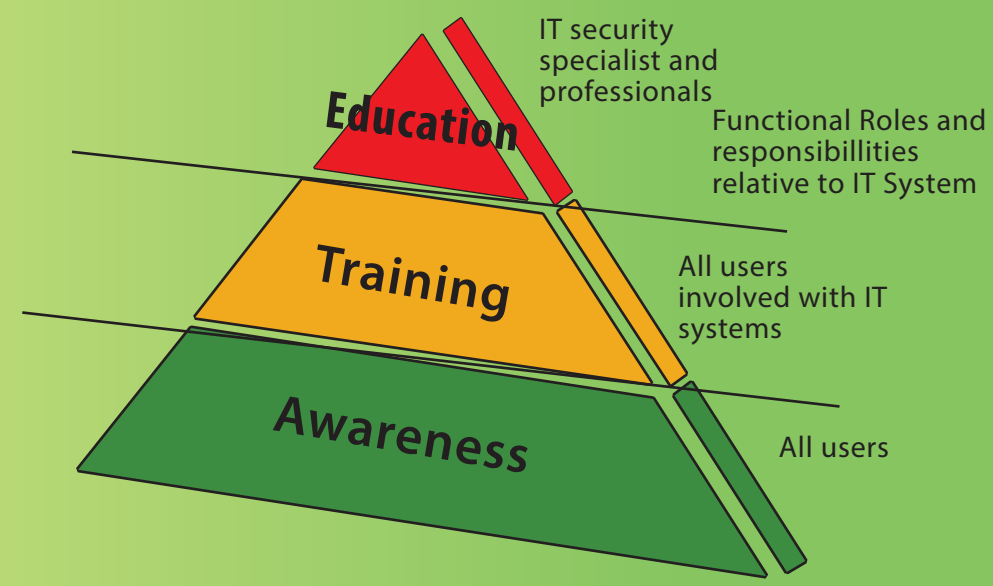
ABSTRACT

The level of physical security and access control at the Malaysian Armed Forces Defense Operations Center (MAF-DOC) is in a state where the level of security has met the basic security requirements for the installation of the ATM secret building. However, as the use of technology progresses, basic physical security technology may become obsolete later. This project uses a mixed-methods which combination of observation, interview and questionnaires. The project data is collected by interviewing the MAF-Doc personnel's and then verify using questionnaires. The data collected are then analyzed using expert review techniques and descriptive statistics. A physical security and access control model for MAF-DOC is proposed. The model includes a Physical Security , Access Control , Security Standard and Policy, Security Awareness Program and Security Training and Education. Successful implementation of a physical security and access control model for MAF- DOC is crucial to maintain a sustainable security culture among employees.

PROBLEM STATEMENT



1. Issues and Present Technologies of Physical Security



2. Issues and Present Technologies of Access Control

OBJECTIVE

People

- Employees must high competence with their job of spec.
- Training
- Awareness

Process

- Maintain quality assurance elements in the management plan and program
- Demonstrate their commitment to quality assurance
- Design the management program
- Develop management processes

Technology

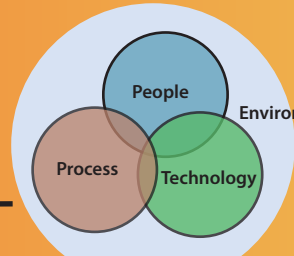
- Fences, gates, guards, security badges and access cards, biometric access codes, security lighting, CCTVs, surveillance cameras, motion sensors, fire protection, and environmental controls like HVAC and humidity controls.
- Exploitation a boundary alarm system, remotely observed at or near the thorough going physical barriers technology implement in the maximum-security environment.
- They are fully monitored from a central monitoring station inside the nuclear building (UNICRI, 2015).

Environment

- Tasks are being delegated to competent authorities and other government bodies

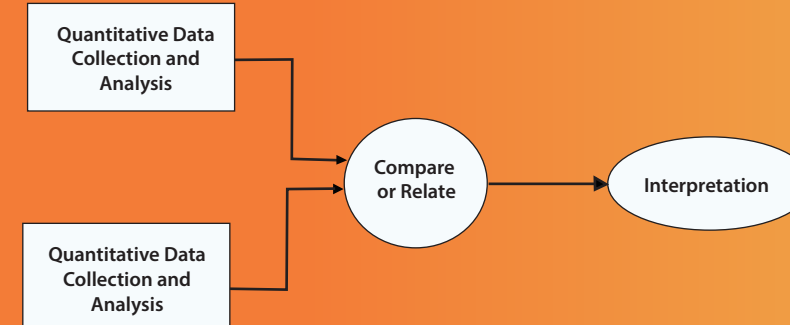
SIGNIFICANT OF RESEARCH

- Continuing security awareness training is to develop critical capabilities, new methods, and approaches that are so important in dealing with potential security threats.
- Employees will benefit from an awareness session by learning how to use the best technologies in the right method to confirm the protection of all networks when defending against a variety of cyber threats.
- It's all about following the guidelines, laws, and oversight.
- It's critical to understand how different groups operate and to give them the autonomy and flexibility they need to get their work done when dealing with cyber danger.

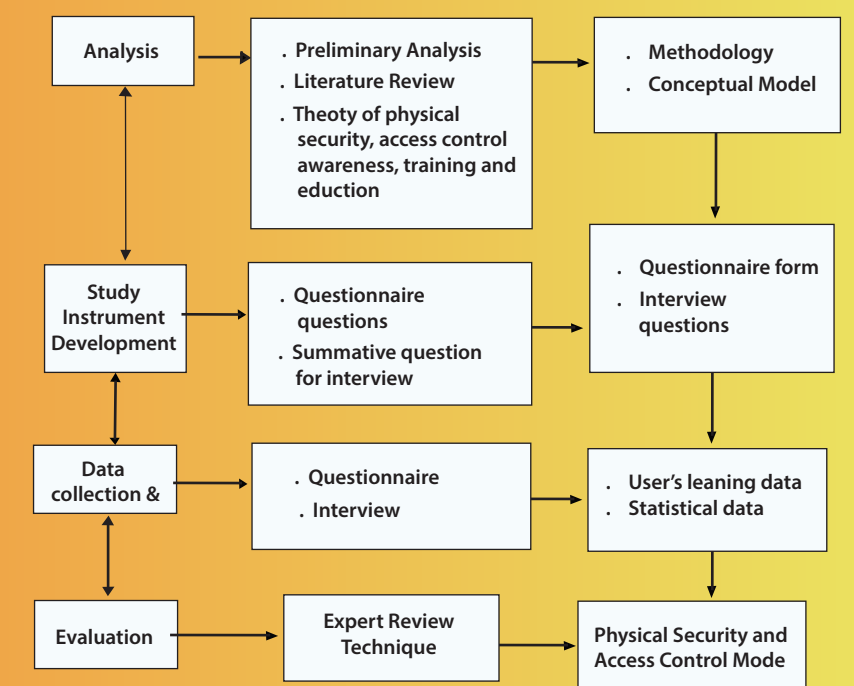


- Every organization also needs to manage how the PPT framework interacts with each other.
- The organization needs to a comprehensive audit of present procedures and technology to recognize what's working and recognize the problems.
- Report of audits such as ISMS, an organization can plan how to improve it in the future.
- Any response to a physical security threat must include technology, especially information technology.
- It's all about having the resources you need to always know what's going on, where it's going on, and with whom, so you can react appropriately.

METHODOLOGY

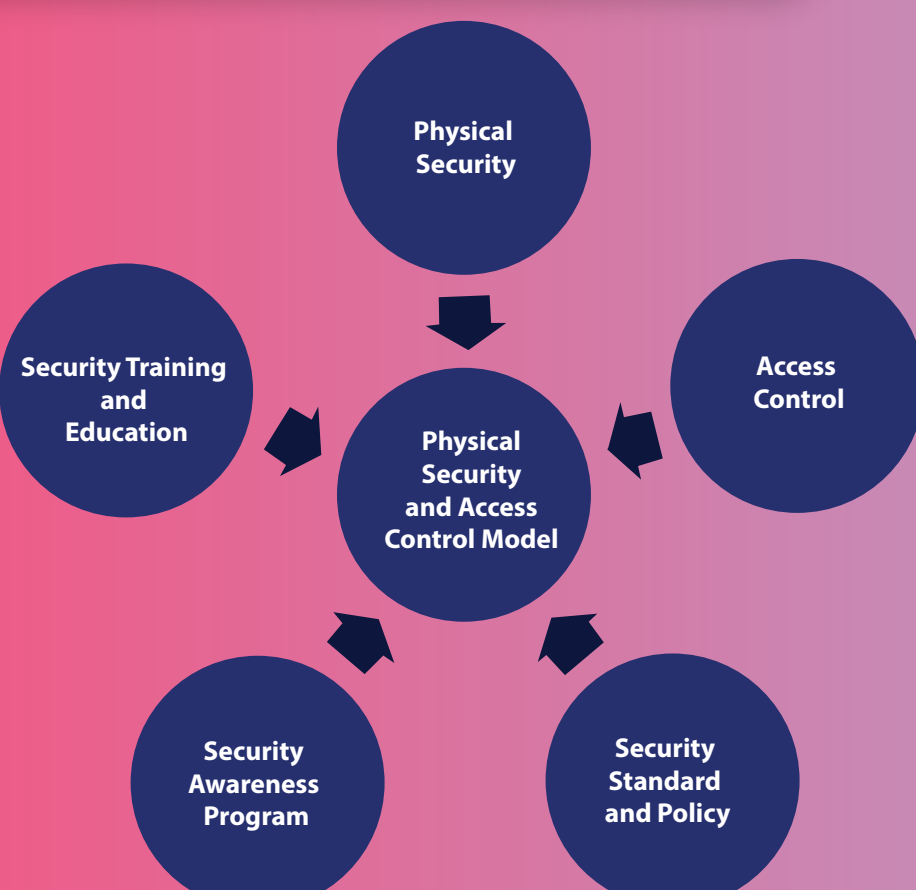


Convergent Parallel Design



Study Design

PROPOSED A PHYSICAL SECURITY AND ACCESS CONTROL MODEL FOR MAF-DOC



CONCLUSION

This project concludes that the proposed physical security and access control model for MAF- DOC is capable of solving the physical security and access control problem caused by outdated technologies, lack of security awareness, and lack of training for MAF-DOC. If the proposed model is successfully implemented in MAF-DOC, employees from top to bottom will be aware of their responsibilities and the importance of this model to the organization

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