The importance of a security, education, training and awareness program

Case 4

SETA (Security Education, Training and Awareness)

- An educational program designed to reduce the number of security breaches that occur through a lack of employee security awareness.

-Sets the security tone for the employees of an organization, especially if it is made part of the employee orientation.

-It cannot just review policy, part of it must consist of an explanation of the policies and why they exist.

-it shows the users how to put security in the forefront of their minds on a daily basis and what actions they should take to continually protect themselves as well as the organization's data and network.

- It is meant to weave security into the fabric of the enterprise

3 BENEFITS OF HAVING A SETA PROGRAM

- Technology alone cannot solve the problem of securing a network
- "Human Firewall": idea that the people within an organization, if made aware and properly educated, will support Information Security efforts and form a layer of protection (much like a firewall) to prevent and deter threats to a company's critical information assets
- By integrating security and risk management into the organization and its ongoing processes, these important functions will become a way of doing business
- Uneducated employees → a company is taking a very large risk
- Risk can be extremely minimized through the implementation of a successful SETA program
- Training program reduces the risk of people making mistakes
- Organization can restrict access to information and computer areas

WHY A SETA PROGRAM IS NEEDED

- Computer Virus are main sources of IT breaches
- Virus are mostly well prepared and employees aren´t aware
- technology is fried and a foie to Information Security
- Mobile phones are a popular target, as they are usually not encrypted and still contain sensitive data
- Therefore, policies should define clear and comprehensible rules for the use of mobile phones and present them to employees
- trainings: technical and management view
- top management should act as role model
- Security awareness events should ensure that employees are fully engaged in the training
- motivation of employees is essential: e.g. reward program

WHY A SETA PROGRAM IS NEEDED

- Motivation example: one more vacation day if company isn't affected by a virus for one year
- top 4 most important issues of SETA
  - security policy
  - security management
  - access control systems
  - network security

The support of every employee is elementary. One person is enough to cause a lot of damage. Awareness training should not be spared.

5 CONCLUSION

- The problem of end-user mistakes cannot be solved by adding more technology
- It has to be solved with a joint effort and partnership between the Information Technology community of interest as well as the general business community along with the critical support of top management → well laid out security, education, training and awareness program
- SETA program can capture the attention of an organization's first and last line of defense- its end-users