

Risk Assessment Technology

Information and Physical Security
Planning and Mitigation at the
click of a mouse

Risk Assessment Technology

- Basically, risk assessment is a process used to identify what controls are needed to protect your critical or sensitive assets adequately as well as cost effectively.
- Quantify areas of weakness, justify security controls, and validate your security budget.

Risk Assessment Technology

- "Red Team" assault on assumptions.
- **Human factor is still the most important feature of any vulnerability assessment.**

IT Network Security Scanner - Vulnerability Scanning

- Vulnerabilities if left undetected pose a serious security threat to systems and can leave vital classified data and communications exposed to attacks.
 - Vulnerability Assessment is a process of identifying the effectiveness of an network's security posture.
 - vulnerability scanning & detection of industry-known vulnerabilities on network assets and to offer remediation solutions.

Pandemic and Natural Disaster Modeling for Major Events

- Historically JCATS used to validate delay and response assumptions.
- Many modeling simulations exist today that can predict effectiveness of security precautions and planning.
 - Sandia National Laboratories Center for Disaster Modeling.
 - New Orleans
 - Manhattan Island

Validation and Documentation

- Providing the data input for Vulnerability Assessments allows you to organize assumptions and track any changes that take place and how those changes have helped or hurt your security profile.
 - The addition of personnel
 - The loss of a security element

Risk Assessment Technology

Risk assessment software determines and quantifies risk by analyzing the relationships between:

Public safety, potential threats to the public, the vulnerabilities that would allow the threats to occur, the types of losses that the threats could cause, and then most critically, safeguards that would reduce loss or eliminate threats.