

Summary

Risk Analysis includes a complex review of all aspects of security:

- Identification of assets
- Identification threats to assets
- Assessment of the probability of threats becoming a reality
- Evaluation vulnerability of assets
- Calculation of the risk level for every asset/threat combination

RISK = Asset x Threat x Vulnerability

Asset value

Assigned values should be related to costs of obtaining and maintaining assets, or to potential adverse impact on your business from losses and/or damages of assets. It is also necessary to establish the value or the extent of importance in non-financial, i.e. qualitative, terms to an organization.

For example, a financial loss estimate might vary from low (10-100 USD) to very high (millions USD). However, monetary valuation is not convenient for assessment of other assets (e.g. personal safety).

Generally, it is up to an organization to decide what is considered low or high damage. Damage that might be disastrous for a small organization could be low or even negligible for a large one.

Threat Assessment

The probability of threat occurring is predicted from frequency of threats – how often they might occur, based on experience, statistics, etc.

Vulnerability Assessment

This assessment includes identifying weaknesses in existing security controls.

Weaknesses might occur in:

- Physical environment
- Personnel, management, and administrative procedures and controls
- Hardware, software, communications equipment and facilities, etc. and might be exploited by sources of threats to cause harm to the assets, and the business they support.

RISKAN Profiles

RISKAN **Profile** development is based on lists of assets and threats from independent international standards and methodologies with relevant adaptation based on T-SOFT's long experience in this field:

- ISO/IEC TR 13335 – Information Technology – Guidelines for the Management of IT Security
- ISO 17799 (BS 7799) – Information Security Management
- IT Baseline Protection Manual

Adaptation of Profile to your environment

The product for Risk Analysis – **RISKAN** – includes the service of adapting RISKAN Profiles specifically to your requirements that fit seamlessly your organizational environment.