











## The Ten Sections Of ISO/IEC 17799

- 1. Organizational Security Policy
- 2. Organizational Security Infrastructure objectives
- 3. Asset Classification and Control
- 4. Personnel Security objectives
- 5. Physical and Environmental Security objectives
- 6. Communications and Operations Management objectives
- 7. System Access Control objectives
- 8. System Development and Maintenance objectives
- 9. Business Continuity Planning
- 10. Compliance objectives



















## NIST Special Publication 800-14 Principles

- Establish sound security policy as "foundation" for design
- 2. Treat security as integral part of overall system design
- 3. Clearly delineate physical and logical security boundaries governed by associated security policies
- 4. Reduce risk to acceptable level
- 5. Assume that external systems are insecure
- 6. Identify potential trade-offs between reducing risk and increased costs and decrease in other aspects of operational effectiveness
- 7. Implement layered security (Ensure no single point of vulnerability)







## NIST Special Publication 800-14 Principles (Continued)

- 28. Develop and exercise contingency or disaster recovery procedures to ensure appropriate availability
- 29. Consider custom products to achieve adequate security
- 30. Ensure proper security in the shutdown or disposal of a system
- 31. Protect against all likely classes of "attacks"
- 32. Identify and prevent common errors and vulnerabilities
- 33. Ensure that developers are trained in how to develop secure software





















- protection
- Best practices seek to provide as much security as possible for information and information systems while demonstrating fiscal responsibility and ensuring information access
- Companies with best practices may not be the best in every area
  - They may only have established an extremely high quality or successful security effort in one area







## Selecting Best Practices (Continued)

- When considering best practices for your organization, consider the following:
  - Does your organization resemble the identified target organization of the best practice?
  - Are you in a similar industry as the target?
  - Do you face similar challenges as the target?
  - Is your organizational structure similar to the target?
  - Are the resources you can expend similar to those called for by the best practice?
  - Are you in a similar threat environment as the one assumed by the best practice?





















- Security Certification Level 1: Entry-Level Certification Appropriate For Low Priority (Concern) Systems
- Security Certification Level 2: Mid-Level Certification Appropriate For Moderate Priority (Concern) Systems
- Security Certification Level 3: Top-Level Certification Appropriate For High Priority (Concern) Systems



