







Control Activities

- Control activities are the policies and procedures the organization uses to ensure that necessary actions are taken to minimize risks associated with achieving its objectives. Controls have various objectives and may be applied at various organizational and functional levels.
- Control Usage *Prevent, Detect, and Correct*
 - **Preventive controls** focus on preventing an error or irregularity.
 - **Detective controls** focus on identifying when an error or irregularity has occurred.
 - Corrective controls focus on recovering from, repairing the damage from, or minimizing the cost of an error or irregularity.













Traditional Control Philosophy

- Much of the traditional accounting and auditing control philosophy has been based on the following concepts and practices:
 - Extensive use of hard-copy documents to capture information about accounting transactions, and frequent printouts of intermediate processes as accounting transactions flow through the accounting process.
 - Separation of duties and responsibilities so the work of one person checks the work of another person.

- Duplicate recording of accounting data and extensive reconciliation of the duplicate data.
- Accountants who view their role primarily as one of independence, reactive, and detective.
- Heavy reliance on a year-end review of financial statements and extensive use of long checklists of required controls.
- Greater emphasis given to internal control than to operational efficiency.
- Avoidance or tolerance toward advances in information technology.







Developing an Updated Control Philosophy with an IT Perspective

- Hardcopy documents should largely be eliminated.
 - They are costly to both develop and maintain and they provide little benefit over an electronic version of the same information. In fact, because of size, storage cost, and inaccessibility, paper documents are becoming a liability.
- Separation of duties continues to be a relevant concept, but IT can be used as a substitute for some of the functions normally assigned to a separate individual.
 - Much of the control that has been spread across several individuals can now be built into the information system and monitored by information technology.

Developing an Updated Control Philosophy with an IT Perspective

- Duplicate recordings of business event data and reconciliation should be eliminated.
 - Recording and maintaining the duplicate data, and performing the reconciliation is costly and unnecessary in an IT environment.
- Accountants should become consultants with a realtime, proactive, control philosophy.
 - Much greater emphasis should be placed on preventing business risks, than on detecting and correcting errors and irregularities.

Developing an Updated Control Philosophy with an IT Perspective

- Greater emphasis must be placed on implementing controls during the design and development of information systems and on more auditor involvement in verifying the accuracy of the systems themselves.
 - Although the annual audit of the financial statements will continue to be a valuable service performed by external auditors, its relative importance will diminish as greater importance is placed on verifying the accuracy of the system itself and providing real-time reporting assurance services.

Developing an Updated Control Philosophy with an IT Perspective

- Greater emphasis must be placed on enhancing organizational effectiveness and controls must be adapted to maintain strong internal controls.
 - This does away with the checklist mentality and requires an evaluation of specific risks and the creation of controls to address those specific risks.
- Information technology should be exploited to its fullest extent.
 - This requires a concerted effort to understand both the capabilities and risks of IT. Modern IT should be used much more extensively to support decision processes, conduct business events, perform information processes, and prevent and detect errors and irregularities.

The Process of Developing a System of Internal Controls

- If you develop a control philosophy based on the key control concepts identified in this chapter, the process of developing an internal control system is rather straightforward:
 - ↗ Identify the organization's objectives, processes, and risks and determine risk materiality.
 - ↗ Identify the internal control system including rules, processes, and procedures to control material risks.
 - ↗ Develop, test, and implement the internal control system.
 - ↗ Monitor and refine the system.

Risks and Controls in an Event-Driven System

- An event-driven system provides a framework for classifying risks that builds upon what you have already learned about decision, business, and information processes. Acquiring the ability to identify risk requires knowledge of the business organization.
- Business events trigger three types of information processes:
 - ↗ <u>Recording event data</u> (e.g., recording the sale of merchandise).
 - Maintaining resource, agent, and location data (e.g., updating a customer's address).
 - ↗ <u>*Reporting*</u> useful information (preparing a report on sales by product).

Information Processing Risks

- Recording risks include recording incomplete, inaccurate, or invalid data about a business event. Incomplete data results in not having all the relevant characteristics about an operating event. Inaccuracies arise from recording data that do not accurately represent the event. Invalid refers to data that are recorded about a fabricated event.
- ➤ <u>Maintaining risks</u> are essentially the same as those for recording. The only difference is the data relates to resources, agents, and locations rather than to operating events. The risk relating to maintenance processes is that changes with respect to the organization's resources, agents, and locations will go either undetected or unrecorded (e.g., customer or employee moves, customer declares bankruptcy, or location is destroyed through a natural disaster).
- <u>Reporting risks</u> include data that are improperly accessed, improperly summarized, provided to unauthorized individuals, or not provided in a timely manner.