

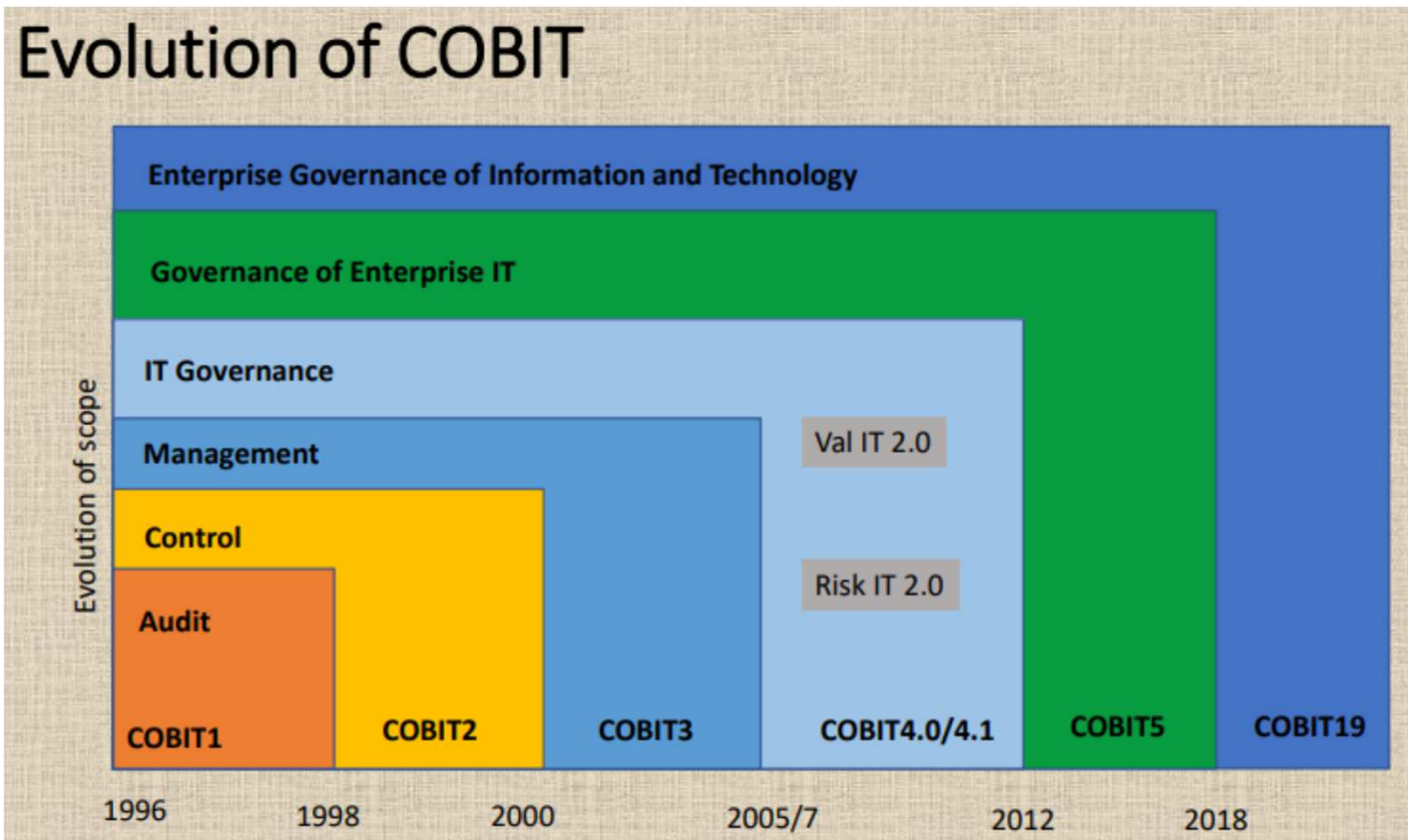
COBIT



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- ❶ COBIT is an IT governance framework for businesses wanting to implement, monitor and improve IT management best practices
- ❷ COBIT is the acronym for Control Objectives for Information and Related Technologies.
- ❸ The COBIT framework was created by ISACA to bridge the crucial gap between technical issues, business risks and control requirements.
- ❹ COBIT can be implemented in any organization from any industry to ensure quality, control and reliability of information systems.





- ❶ COBIT 5 focused on providing tools, best practices and objectives that were universally applicable to all enterprise IT operations.
- ❷ COBIT 5 expanded on COBIT 4 by integrating related standards from the International Organization for Standardization (ISO), including IT Infrastructure Library (ITIL).

COBIT Framework



- ❶ IT Governance by providing the framework to ensure that
 - ❧ IT is aligned with business
 - ❧ IT enables business and maximizes benefits
 - ❧ IT resources are optimized
 - ❧ IT risks are managed completely

- ❷ Designed to support
 - ❧ Executive & Management Boards
 - ❧ Business & IT Management
 - ❧ Governance, Assurance, Risk & Control, Security Professionals



❶ Control

- ❧ Includes IT management procedures, practices, policies and structures designed to provide an acceptable level of assurance that business goals will be met.

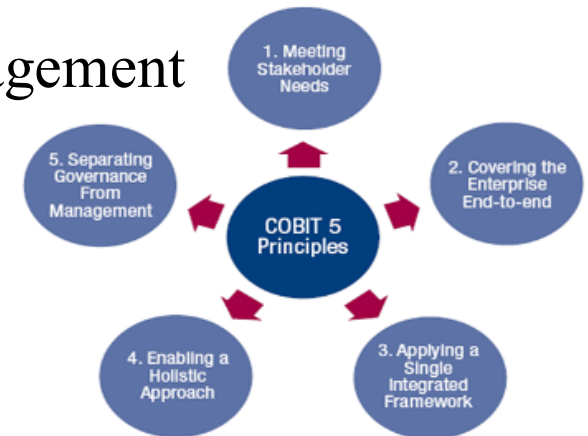
❷ IT control objective

- ❧ Defines the level of acceptable results to be attained by implementing control procedures concerning a particular IT operation.

Principles



- 🦨 Principle 1: Meeting Stakeholder Needs
- 🦨 Principle 2: Covering the Enterprise End-to-End
- 🦨 Principle 3: Applying a Single Integrated Framework
- 🦨 Principle 4: Enabling a Holistic Approach
- 🦨 Principle 5: Separating Governance from Management



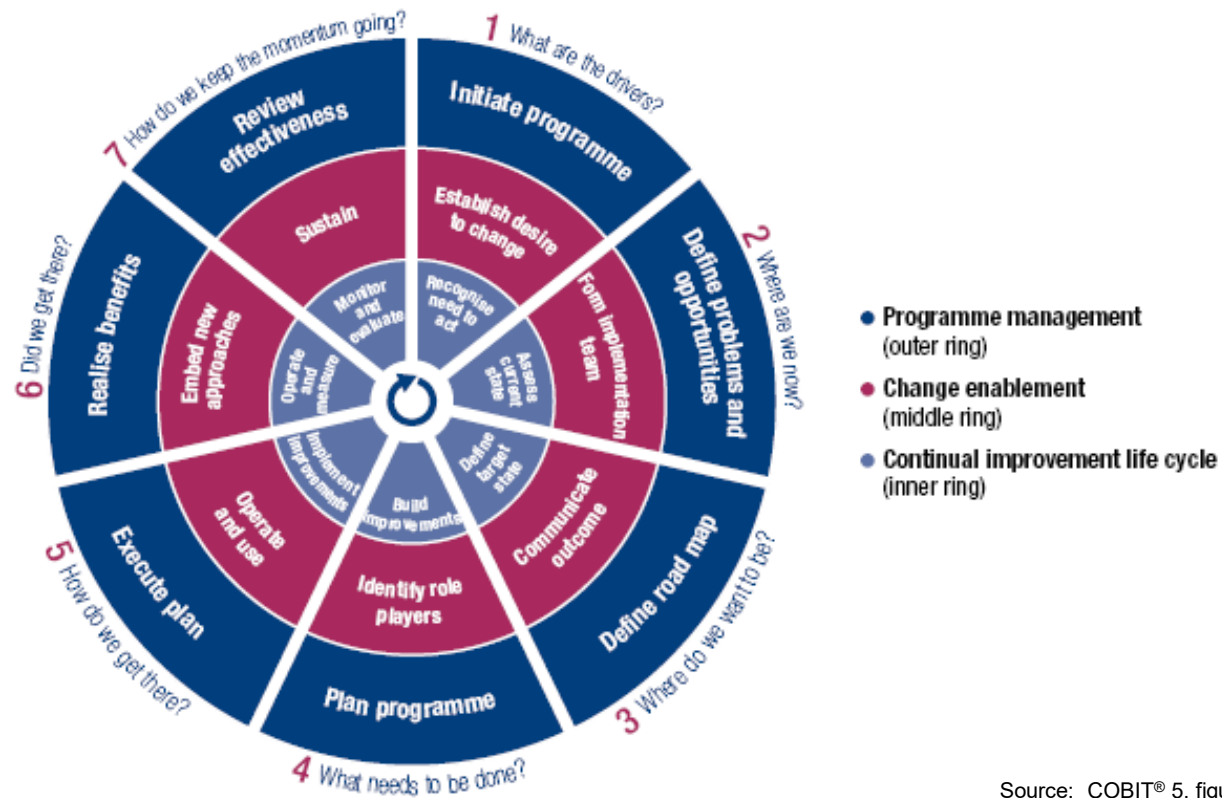
Aspects of Governance



- Seven aspects
 - ✓ Principles, Policies and Frameworks
 - ✓ Processes
 - ✓ Organizational Structures
 - ✓ Culture, Ethics and Behavior
 - ✓ Information
 - ✓ Services, Infrastructure and Applications
 - ✓ People, Skills and Competencies



COBIT 5 Implementation



Source: COBIT® 5, figure 17. © 2012 ISACA®



- ❶ COBIT creates a three-level structure comprised of the following segments:
 - ❖ Business requirements (information criteria), including metrics such as integrity, effectiveness, availability, efficiency, compliance, confidentiality, and reliability
 - ❖ IT resources, including infrastructure, applications, information, and people
 - ❖ IT processes, divided into domains processes



COBIT Components

- ❶ Framework
 - ❧ Organize and categorize IT governance objectives and good practices by IT domains and processes before associating them with their respective business requirements.
- ❷ Process descriptions
 - ❧ A reference process model and common language for everyone in an enterprise.
- ❸ Control objectives
 - ❧ Use this complete set of high-level requirements for effective control of each IT process.
- ❹ Management guidelines
 - ❧ Assign responsibility, agree on objectives, measure performance, and illustrate interrelationship with other processes.
- ❺ Maturity models
 - ❧ Assess maturity and capability per process and helps to address gaps.

Thank You!

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