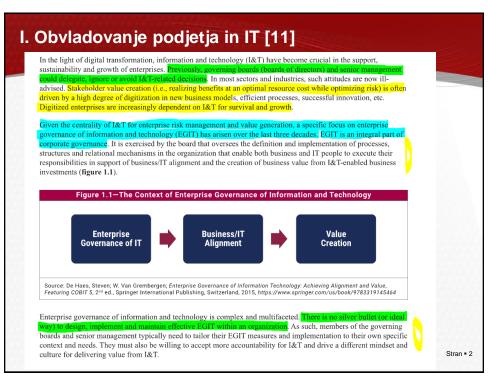
# ■ Vsebina in slike v tem gradivu so povzete po knjigi COBIT 2019: Framework Introduction

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# Razmejitev med obvladovanjem (*Governance*) in vodenjem (*Management*) [13]

COBIT is a framework for the governance and management of enterprise information and technology, a simed at the whole enterprise. Enterprise I&T means all the technology and information processing the enterprise puts in place to achieve its goals, regardless of where this happens in the enterprise. In other words, enterprise I&T is not limited to the IT department of an organization, but certainly includes it.

The COBIT framework makes a clear distinction between governance and management. These two disciplines encompass different activities, require different organizational structures and serve different purposes.

- Governance ensures that:
- Stakeholder needs, conditions and options are evaluated to determine balanced, agreed-on enterprise objectives.
- Direction is set through prioritization and decision making.
- Performance and compliance are monitored against agreed-on direction and objectives.

In most enterprises, overall governance is the responsibility of the board of directors, under the leadership of the chairperson. Specific governance responsibilities may be delegated to special organizational structures at an appropriate level, particularly in larger, complex enterprises.

 Management plans, builds, runs and monitors activities, in alignment with the direction set by the governance body, to achieve the enterprise objectives.

In most enterprises, management is the responsibility of the executive management, under the leadership of the chief executive officer (CEO).

COBIT defines the components to build and sustain a governance system: processes, organizational structures, policies and procedures, information flows, culture and behaviors, skills, and infrastructure.<sup>5</sup>

COBIT defines the design factors that should be considered by the enterprise to build a best-fit governance system.

COBIT addresses governance issues by grouping relevant governance components into governance and management objectives that can be managed to the required capability levels.

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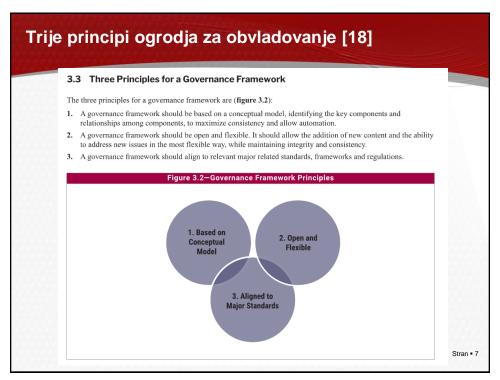
# Deležniki obvladovanja [15]

Figure 2.1—COBIT Stakeholders					
Stakeholder	Benefit of COBIT				
	Internal Stakeholders				
Boards	Provides insights on how to get value from the use of I&T and explains relevant board responsibilities				
Executive Management	Provides guidance on how to organize and monitor performance of I&T across the enterprise				
Business Managers	Helps to understand how to obtain the I&T solutions enterprises require and how best to exploit new technology for new strategic opportunities				
IT Managers	Provides guidance on how best to build and structure the IT department, manage performance of IT, run an efficient and effective IT operation, control IT costs, align IT strategy to business priorities, etc.				
Assurance Providers	Helps to manage dependency on external service providers, get assurance over IT, and ensure the existence of an effective and efficient system of internal controls				
Risk Management	Helps to ensure the identification and management of all IT-related risk				
External Stakeholders					
Regulators	Helps to ensure the enterprise is compliant with applicable rules and regulations and has the right governance system in place to manage and sustain compliance				
Business Partners	Helps to ensure that a business partner's operations are secure, reliable and compliant with applicable rules and regulations				
IT Vendors	Helps to ensure that an IT vendor's operations are secure, reliable and compliant with applicable rules and regulations				

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## 6 principov sistema obvladovanja [17] The six principles for a governance system are (figure 3.1): 1. Each enterprise needs a governance system to satisfy stakeholder needs and to generate value from the use of I&T. Value reflects a balance among benefits, risk and resources, and enterprises need an actionable strategy and governance system to realize this value. 2. A governance system for enterprise I&T is built from a number of components that can be of different types and that work together in a holistic way. A governance system should be dynamic. This means that each time one or more of the design factors are changed (e.g., a change in strategy or technology), the impact of these changes on the EGIT system must be considered. A dynamic view of EGIT will lead toward a viable and future-proof EGIT system. 4. A governance system should clearly distinguish between governance and management activities and structures. A governance system should be tailored to the enterprise's needs, using a set of design factors as parameters to customize and prioritize the governance system components. A governance system should cover the enterprise end to end, focusing not only on the IT function but on all technology and information processing the enterprise puts in place to achieve its goals, regardless where the processing is located in the enterprise.6 Figure 3.1—Governance System Principles 1. Provide 2. Holistic Governance 4. Governance 5. Tailored to 6. End-to-End **Distinct From Enterprise** Governance Management **System** Stran • 6

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# Opredelitev obvladovanja in vodenja preko ciljev [20, 21]

## 4.2 Governance and Management Objectives

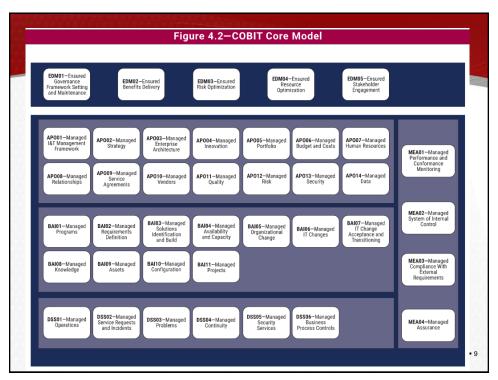
For information and technology to contribute to enterprise goals, a number of governance and management objectives should be achieved. Basic concepts relating to governance and management objectives are:

- A governance or management objective <u>always relates to one process</u> (with an identical or similar name) and a series of related components of other types to help achieve the objective.
- A governance objective relates to a governance process (depicted in the dark blue background in figure 4.2), while
  a management objective relates to a management process (depicted on the lighter blue background in figure 4.2).
  Boards and executive management are typically accountable for governance processes, while management
  processes are the domain of senior and middle management.

The governance and management objectives in COBIT are grouped into five domains. The domains have names with verbs that express the key purpose and areas of activity of the objective contained in them:

- Governance objectives are grouped in the Evaluate, Direct and Monitor (EDM) domain. In this domain, the
  governing body evaluates strategic options, directs senior management on the chosen strategic options and
  monitors the achievement of the strategy.
- Management objectives are grouped in four domains:
  - Align, Plan and Organize (APO) addresses the overall organization, strategy and supporting activities for I&T.
  - **Build, Acquire and Implement** (BAI) treats the definition, acquisition and implementation of I&T solutions and their integration in business processes.
  - Deliver, Service and Support (DSS) addresses the operational delivery and support of I&T services, including security.
  - Monitor, Evaluate and Assess (MEA) addresses performance monitoring and conformance of I&T with internal performance targets, internal control objectives and external requirements.

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# Komponente sistema obvladovanja [21, 22]

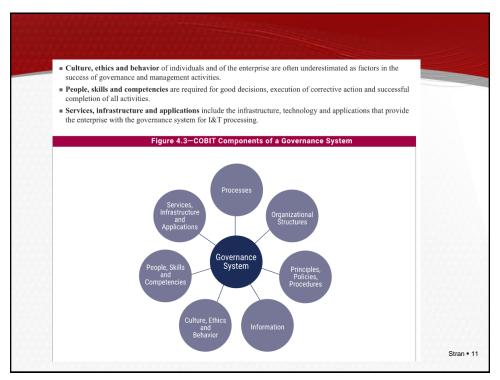
# 4.3 Components of the Governance System

To satisfy governance and management objectives, each enterprise needs to establish, tailor and sustain a governance system built from a number of components.

- Components are factors that, individually and collectively, contribute to the good operations of the enterprise's governance system over I&T.
- Components interact with each other, resulting in a holistic governance system for I&T.
- Components can be of different types. The most familiar are processes. However, components of a governance
  system also include organizational structures; policies and procedures; information items; culture and behavior;
  skills and competencies; and services, infrastructure and applications (figure 4.3).
- Processes describe an organized set of practices and activities to achieve certain objectives and produce a set of outputs that support achievement of overall IT-related goals.
- Organizational structures are the key decision-making entities in an enterprise.
- Principles, policies and frameworks translate desired behavior into practical guidance for day-to-day management.
- Information is pervasive throughout any organization and includes all information produced and used by the enterprise. COBIT focuses on information required for the effective functioning of the governance system of the enterprise.



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	11 6 1 63	nterprise strategy is realized by the achievement of (a set framework, structured along the balanced scorecard
	sions, and include the elements shown in figu	
	<u> </u>	e Goals Design Factor
Reference	Balanced Scorecard (BSC) Dimension	Enterprise Goal
EG01	Financial	Portfolio of competitive products and services
EG02	Financial	Managed business risk
EG03	Financial	Compliance with external laws and regulations
EG04	Financial	Quality of financial information
EG05	Customer	Customer-oriented service culture
EG06	Customer	Business-service continuity and availability
EG07	Customer	Quality of management information
EG08	Internal	Optimization of internal business process functionality
EG09	Internal	Optimization of business process costs
EG10	Internal	Staff skills, motivation and productivity
EG11	Internal	Compliance with internal policies
EG12	Growth	Managed digital transformation programs
EG13	Growth	Product and business innovation

3. <u>Risk profile</u> of the enterprise and current issues in relation to I&T—The risk profile identifies the sort of I&T-related risk to which the enterprise is currently exposed and indicates which areas of risk are exceeding the risk appetite. The risk categories<sup>14</sup> listed in **figure 4.7** merit consideration.

Reference	Risk Category
1	IT investment decision making, portfolio definition and maintenance
2	Program and projects lifecycle management
3	IT cost and oversight
4	IT expertise, skills and behavior
5	Enterprise/IT architecture
6	IT operational infrastructure incidents
7	Unauthorized actions
8	Software adoption/usage problems
9	Hardware incidents
10	Software failures
11	Logical attacks (hacking, malware, etc.)
12	Third party/supplier incidents
13	Noncompliance
14	Geopolitical issues
15	Industrial action
16	Acts of nature
17	Technology-based innovation
18	Environmental

14

4. <u>I&T-related issues</u>—A related method for an I&T risk assessment for the enterprise is to consider which I&T-related issues it currently faces, or, in other words, what I&T-related risk has materialized. The most common of such issues <sup>15</sup> include those in **figure 4.8**.

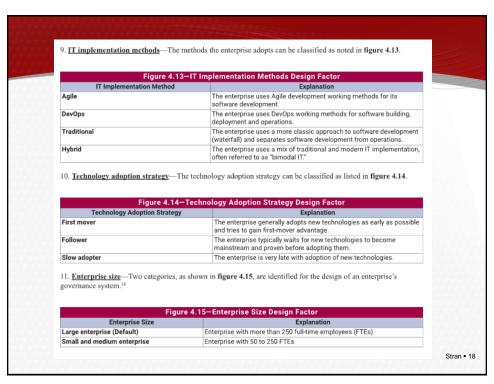
Reference	Description
A	Frustration between different IT entities across the organization because of a perception of low
	contribution to business value
В	Frustration between business departments (i.e., the IT customer) and the IT department because of failed initiatives or a perception of low contribution to business value
С	Significant IT-related incidents, such as data loss, security breaches, project failure and application errors, linked to IT
D	Service delivery problems by the IT outsourcer(s)
E	Failures to meet IT-related regulatory or contractual requirements
F	Regular audit findings or other assessment reports about poor IT performance or reported IT quality of service problems
G	Substantial hidden and rogue IT spending, that is, IT spending by user departments outside the contro of the normal IT investment decision mechanisms and approved budgets
Н	Duplications or overlaps between various initiatives, or other forms of wasted resources
I	Insufficient IT resources, staff with inadequate skills or staff burnout/dissatisfaction
J	IT-enabled changes or projects frequently failing to meet business needs and delivered late or over budget
К	Reluctance by board members, executives or senior management to engage with IT, or a lack of committed business sponsorship for IT
L	Complex IT operating model and/or unclear decision mechanisms for IT-related decisions
М	Excessively high cost of IT
N	Obstructed or failed implementation of new initiatives or innovations caused by the current IT architecture and systems
0	Gap between business and technical knowledge, which leads to business users and information and/or technology specialists speaking different languages
P	Regular issues with data quality and integration of data across various sources
Q	High level of end-user computing, creating (among other problems) a lack of oversight and quality control over the applications that are being developed and put in operation
R	Business departments implementing their own information solutions with little or no involvement of the enterprise IT department <sup>16</sup>
S	Ignorance of and/or noncompliance with privacy regulations
T .	Inability to exploit new technologies or innovate using I&T

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are common across different industries.  The enterprise is subject to higher-than-average compliance requirements. The enterprise is subject to higher-than-average compliance requirements, most often related to industry sector or geopolitical conditions.  Role of IT—The role of IT for the enterprise can be classified as indicated in figure 4.11.    Figure 4.11—Role of IT Design Factor   Explanation		
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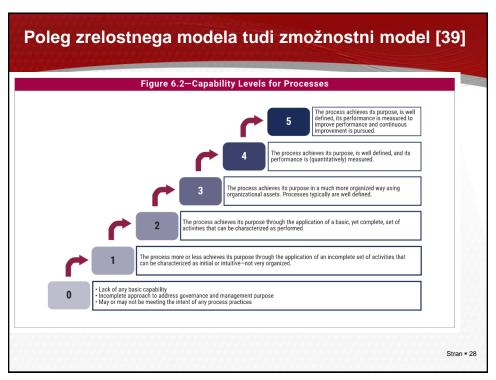




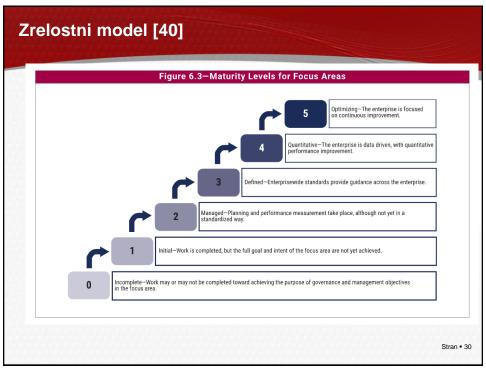
Figur	e 5.1-COBIT Core Model: Gove	rnance and Management Objectives and Purpose
Reference	Name	Purpose
EDM01	Ensured governance framework setting and maintenance	Provide a consistent approach, integrated and aligned with the enterprise governance approach. IAF-related decisions must be made in line with the enterprise's strategies and objectives and desired value is realized. To that end, ensure that I&F-related processes are overseen effectively and transparently, compliance with legal, contractual and regulatory requirements is confirmed; and the governance requirements for board members are met.
EDM02	Ensured benefits delivery	Secure optimal value from I&T-enabled initiatives, services and assets; cost-effective delivery of solutions and services; and a reliable and accurate picture of costs and likely benefits so that business needs are supported effectively and efficiently.
EDM03	Ensured risk optimization	Ensure that I&T-related enterprise risk does not exceed the enterprise's risk appetite and risk tolerance, the impact of I&T risk to enterprise value is identified and managed, and the potential for compliance failures is minimized.
EDM04	Ensured resource optimization	Ensure that the resource needs of the enterprise are met in the optimal manner, I&T costs are optimized, and there is an increased likelihood of benefit realization and readiness for future change.
EDM05	Ensured stakeholder engagement	Ensure that stakeholders are supportive of the I&T strategy and road map, communication to stakeholders is effective and timely, and the basis for reporting is established to increase performance Identify areas for improvement, and confirm that I&T-related objectives and strategies are in line with the enterprise's strategy.
AP001	Managed I&T management framework	Implement a consistent management approach for enterprise governance requirements to be met, covering governance ecomponents such as management processes, organizational structures; roles and responsibilities; reliable and repeatable activities information items; policies and procedures; skills and competencies; culture and behavior; and services, infrastructure and applications.
AP002	Managed strategy	Support the digital transformation strategy of the organization and deliver the desired value through a road map of incremental changes. Use a holistic l&T approach, ensuring that each initiative is clearly connected to an overarching strategy. Enable change in all different aspects of the organization, from channels and processes to data, culture, skills, operating model and incentives.
AP003	Managed enterprise architecture	Represent the different building blocks that make up the enterprise and its interrelationships, as well as the principles guiding their design and evolution over time, to enable a standard, responsive and efficient delivery of operational and strategic objectives.
AP004	Managed innovation	Achieve competitive advantage, business innovation, improved customer experience, and improved operational effectiveness and efficiency by exploiting I&T developments and emerging technologies

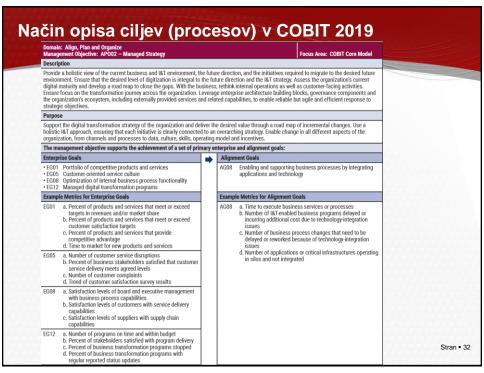
		nce and Management Objectives and Purpose (cont.)	
Reference	Name	Purpose	
AP005	Managed portfolio	Optimize the performance of the overall portfolio of programs in response to individual program, product and service performance and changing enterprise priorities and demand.	
APO06	Managed budget and costs	Foster a partnership between IT and enterprise stakeholders to enable the effective and efficient use of 18 Testelated resources and provide transparency and accountability of the cost and business value of solutions and services. Enable the enterprise to make informed decisions regarding the use of 18T solutions and services.	
AP007	Managed human resources	Optimize human-resources capabilities to meet enterprise objectives.	
AP008	Managed relationships	Enable the right knowledge, skills and behaviors to create improved outcomes, increased confidence, mutual trust and effective use of resources that stimulate a productive relationship with business stakeholders.	
AP009	Managed service agreements	Ensure that I&T products, services and service levels meet current and future enterprise needs.	
AP010	Managed vendors	Optimize available I&T capabilities to support the I&T strategy and road map, minimize the risk associated with nonperforming or noncompliant vendors, and ensure competitive pricing.	
AP011	Managed quality	Ensure consistent delivery of technology solutions and services to meet the quality requirements of the enterprise and satisfy stakeholder needs.	
AP012	Managed risk	Integrate the management of I&T-related enterprise risk with overall enterprise risk management (ERM) and balance the costs and benefits of managing I&T-related enterprise risk.	
AP013	Managed security	Keep the impact and occurrence of information security incidents within the enterprise's risk appetite levels.	
AP014	Managed data	Ensure effective utilization of the critical data assets to achieve enterprise goals and objectives.	
BAI01	Managed programs	Realize desired business value and reduce the risk of unexpected delays, costs and value erosion. To do so, improve communications to and involvement of business and end users, ensure the value and quality of program deliverables and follow-up of projects within the programs, and maximize program contribution to the investment portfolio.	
BAI02	Managed requirements definition	Create optimal solutions that meet enterprise needs while minimizing risk.	
BAI03	Managed solutions identification and build	Ensure agile and scalable delivery of digital products and services. Establish timely and cost-effective solutions (technology, business processes and workflows) capable of supporting enterprise strategic and operational objectives.	
BAI04	Managed availability and capacity	Maintain service availability, efficient management of resources and optimization of system performance through prediction of future performance and capacity requirements.	
BAI05	Managed organizational change	Prepare and commit stakeholders for business change and reduce the risk of failure.	
BAI06	Managed IT changes	Enable fast and reliable delivery of change to the business. Mitigate the risk of negatively impacting the stability or integrity of the changed environment.	
BAI07	Managed IT change acceptance and transitioning	Implement solutions safely and in line with the agreed expectations and outcomes.	Stran • :

		ce and Management Objectives and Purpose (cont.)
Reference	Name	Purpose
BAI08	Managed knowledge	Provide the knowledge and management information required to support all staff in the governance and management of enterprise I&T and allow for informed decision making.
BAI09	Managed assets	Account for all I&T assets and optimize the value provided by their use.
BAI10	Managed configuration	Provide sufficient information about service assets to enable the service to be effectively managed. Assess the impact of changes and deal with service incidents.
BAI11	Managed projects	Realize defined project outcomes and reduce the risk of unexpected delays, costs and value erosion by improving communications to and involvement of business and end users. Ensure the value and quality of project deliverables and maximize their contribution to the defined programs and investment portfolio.
DSS01	Managed operations	Deliver I&T operational product and service outcomes as planned.
DSS02	Managed service requests and incidents	Achieve increased productivity and minimize disruptions through quick resolution of user queries and incidents. Assess the impact of changes and deal with service incidents. Resolve user requests and restore service in response to incidents.
DSS03	Managed problems	Increase availability, improve service levels, reduce costs, improve customer convenience and satisfaction by reducing the number of operational problems, and identify root causes as part of problem resolution.
DSS04	Managed continuity	Adapt rapidly, continue business operations, and maintain availability of resources and information at a level acceptable to the enterprise in the event of a significant disruption (e.g., threats, opportunities, demands).
DSS05	Managed security services	Minimize the business impact of operational information security vulnerabilities and incidents.
DSS06	Managed business process controls	Maintain information integrity and the security of information assets handled within business processes in the enterprise or its outsourced operation.
MEA01	Managed performance and conformance monitoring	Provide transparency of performance and conformance and drive achievement of goals.
MEA02	Managed system of internal control	Obtain transparency for key stakeholders on the adequacy of the system of internal controls and thus provide trust in operations, confidence in the achievement of enterprise objectives and an adequate understanding of residual risk.
MEA03	Managed compliance with external requirements	Ensure that the enterprise is compliant with all applicable external requirements.
MEA04	Managed assurance	Enable the organization to design and develop efficient and effective assurance initiatives, providing guidance on planning, scoping, executing and following up on assurance reviews, using a road map based on well-accepted assurance approaches.



# 6.4.2 Rating Process Activities A capability level can be achieved to varying degrees, which can be expressed by a set of ratings. The range of available ratings depends on the context in which the performance assessment is made: Some formal methods leading to independent certification use a binary pass/fail set of ratings. Less formal methods (often used in performance-improvement contexts) work better with a larger range of ratings, such as the following set: Fully—The capability level is achieved for more than 85 percent. (This remains a judgment call, but it can be substantiated by the examination or assessment of the components of the enabler, such as process activities, process goals or organizational structure good practices.) Largely—The capability level is achieved between 50 percent and 85 percent. Partially—The capability level is achieved between 15 percent and 50 percent. Not—The capability level is achieved less than 15 percent. Stran • 29





A. Component: Process			
Management Practice	Example Metrics		
APO02.01 Understand enterprise context and direction. Understand the enterprise context (industry drivers, relevant regulations, basis for competition), its current way of working and its ambition level in terms of digitization.	a. Level of understanding within I&T management of cu organization and context     b. Level of knowledge within I&T management of entery direction     c. Level of understanding of key stakeholders for I&T ar requirements	orise goals and	
Activities		Capability Level	
1. Develop and maintain an understanding of the external environment of t	he enterprise.	2	
Develop and maintain an understanding of the current way of working, including the operational environment, enterprise architecture (business, information, data, applications and technology domains), enterprise culture and current challenges.			
Develop and maintain an understanding of future enterprise direction, in Understand the ambition level of the enterprise in terms of digitization, in goals, from cutting costs, increasing customer centricity, or getting to mentirely new revenue streams from new business models (e.g., platform).	which may include a range of increasingly aspirational narket faster by digitizing internal operations, to creating		
4. Identify key stakeholders and obtain insight on their requirements.		1	
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference		
COSO Enterprise Risk Management, June 2017	7. Strategy and Objective-Setting—Principle 6		
Management Practice	Example Metrics		
APO02.02 Assess current capabilities, performance and digital maturity of the enterprise.  Assess the performance of current I&T services and develop an understanding of current business and I&T capabilities (both internal and external). Assess current digital maturity of the enterprise and its appetite for change.			
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Activities		Capability Level
Develop a baseline of current business and I&T capabilities and service services, governance of I&T, and enterprisewide I&T-related skills and co		2
Assess digital maturity across different dimensions (e.g., ability of lead technology risk, approach to innovation, culture and knowledge level of		3
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference	
COSO Enterprise Risk Management, June 2017	7. Strategy and Objective-Setting—Principle 6; 9. Review Revision—Principle 15	and
Management Practice	Example Metrics	
AP002.03 Define target digital capabilities. Based on the understanding of enterprise context and direction, define the target I&T products and services and required capabilities. Consider reference standards, best practices and validated emerging technologies.	a. Percent of enterprise objectives addressed by the I&T b. Percent of I&T objectives that support the enterprise	
Activities		Capability Level
<ol> <li>Summarize enterprise context and direction and identify specific I&amp;T as implementing new technology, supporting legacy architecture, applying portfolio, etc.).</li> </ol>		2
2. Define high-level I&T objectives and goals and specify their contribution	to enterprise objectives.	
<ol> <li>Detail required I&amp;T services and products to realize enterprise objectives. Consider validated emerging technology or innovation ideas, reference standards, competitor business and I&amp;T capabilities, comparative benchmarks of good practice, and emerging I&amp;T service provision.</li> </ol>		
<ol> <li>Determine I&amp;T capabilities, methodologies and organizational approach service portfolio. Consider different development methodologies (Agile requirements. Consider how each could help realize I&amp;T objectives.</li> </ol>		
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference	
No related guidance for this management practice		

A. Component: Process (cont.)			
Management Practice	Example Metrics		
APO02.04 Conduct a gap analysis. Identify gaps between current and target environments and describe the high-level changes in the enterprise architecture.	Number of high-impact changes required in the differ architecture domains     Number of significant gaps between current environr practices		
Activities		Capability Level	
1. Identify all gaps and changes required to realize the target environment.		3	
2. Describe high-level changes in enterprise architecture (business, inform	ation, data, applications and technology domains).	12/4	
<ol> <li>Consider the high-level implications of all gaps. Assess the impact of po I&amp;T research and development capabilities, and I&amp;T investment program</li> </ol>			
<ol><li>Consider the value of potential changes to business and IT capabilities, implications if no changes are realized.</li></ol>	I&T services and enterprise architecture, and the	4	
5. Refine the target environment definition and prepare a value statement of	outlining benefits of the target environment,		
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference		
No related guidance for this management practice			
Management Practice	Example Metrics		
APO02.05 Define the strategic plan and road map. Develop a holistic light startegy, in cooperation with relevant stakeholders, and detail a road map that defines the incremental steps required to achieve the goals and objectives. Ensure focus on the transformation journey through the appointment of a person who helps spearlneed the digital transformation and drives alignment between business and list.	Level of stakeholder support for the digital transform     D-ercent of initiatives in the IST strategy that are self-i (with financial benefits exceeding costs)     Degree of correspondence between enterprise strategy     and objectives	unding	
Activities		Capability Level	
<ol> <li>Define initiatives required to close gaps between current and target envi strategy that aligns I&amp;T with all aspects of the business.</li> </ol>	ironments. Integrate initiatives into a coherent I&T	3	
<ol><li>Detail a road map that defines the incremental steps required to achieve actions are included to train people with new skills, support adoption of organization, etc.</li></ol>			
3. Consider the external ecosystem (enterprise partners, suppliers, start-up	ps, etc.) to help support execution of the road map.		
<ol> <li>Group actions into programs and/or projects with a clear goal or deliver requirements, schedule, investment/operational budget, risk, change im</li> </ol>			
5. Determine dependencies, overlaps, synergies and impacts among project	cts, and prioritize.		
6. Finalize road map, indicating relative scheduling and interdependencies			
<ol> <li>Ensure focus on the transformation journey. Appoint a champion of digit I&amp;T (chief digital officer [CDO] or other traditional C-suite role).</li> </ol>			
8. Obtain support and formal approval of plan from stakeholders.			
<ol> <li>Translate objectives into measurable outcomes represented by metrics and measures correlate to enterprise benefits.</li> </ol>	(what) and targets (how much). Ensure that outcomes	4	
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference		Stran • 3
tory or title to the city of a const	COO 1 Information County Charles		
ISF, The Standard of Good Practice for Information Security 2016	SG2.1 Information Security Strategy		

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A. Component: Process (cont.)		
Management Practice	Example Metrics	
APO02.06 Communicate the I&T strategy and direction.  Create awareness and understanding of the business and I&T objectives and direction, as captured in the I&T strategy, through communication to appropriate stakeholders and users throughout the enterprise.	a. Frequency of updates to the I&T strategy communic b. Percent of stakeholders aware of I&T strategy and d	
Activities		Capability Level
Develop a communication plan covering the required messages, target a and schedules.	audiences, communication mechanisms/channels	3
2. Prepare a communication package that delivers the plan effectively, using	ng available media and technologies.	
3. Develop and maintain a network for endorsing, supporting and driving the	ne I&T strategy.	
4. Obtain feedback and update the communication plan and delivery as rec	quired.	4
Related Guidance (Standards, Frameworks, Compliance Requirements)	Detailed Reference	
No related guidance for this management practice		
		Stran ■ 36

Key Management Practice  AP002.01 Understand enterprise context and direction.  AP002.02 Assess current capabilities, performance and dienterprise.	gital maturity of t	he	Chief Executive Officer	➤ Chief Information Officer	□ Chief Technology Officer	¬ Chief Digital Officer	I&T Governance Board	Business Process Owners	I	B Data Management Function	_	R	R	□ □ Head IT Administration	R	R	Business Continuity Manager
APO02.03 Define target digital capabilities.			Г	R	R	А	ヿ	R	1	R F	R	R	R	R	R	R	R F
APO02.04 Conduct a gap analysis.				R	R	R	Α	R	T	R	R	R	R	R	R	R	R
APO02.05 Define the strategic plan and road map.			Г	R	R	R	Α	R	R	R	R	R	R	R	R	R	R F
APO02.06 Communicate the I&T strategy and direction.			R	R	R	R	Α	T	T	$\top$	T	T	T		П	$\exists$	T
Related Guidance (Standards, Frameworks, Compliance Ro	equirements)	Detailed Refer	enc	e													
ISO/IEC 38502:2017(E)		5.4 Responsib	ilitie	es o	f m	ana	gers	5									
C. Component: Information Flows and Items (see also Sec	Air- 2 ()					=	_								_		
Management Practice	tion 3.6)	Inputs	_	_	_		_	_	_	_	_	Outp		_	_	_	_
APO02.01 Understand enterprise context and direction.	From	Descr	rinti	on					Doc	crip		_	นเจ	г		То	
APOUZ. O I Onderstand enterprise context and direction.	AP004.02	Innovation o	ppo	rtur					s ar	nd p			for	Int	tern	_	
	EDM04.01	Guiding princ allocating re capabilities				ıd											
	Outside COBIT	Enterprise st strengths, we opportunities (SWOT) anal	eaki s. th	nes: irea	ses,												

	C. Component: Information Flows and Items (see also Sec	tion 3.6) (cont.)				The Control of the Control
	Management Practice		Inputs	Outputs		
	APO02.02 Assess current capabilities, performance and digital maturity of the enterprise.	From	Description	Description	To	
	ugital maturity of the enterprise.	AP006.05	Cost optimization opportunities	Gaps and risk related to current capabilities	AP012.01	
		AP008.05	Definition of potential improvement projects	Capability SWOT analysis	Internal	
		AP009.01	Identified gaps in IT services to the business	Baseline of current capabilities	Internal	
7 7 7 7 7		AP009.04	Improvement action plans and remediations	]		
		AP012.01	Emerging risk issues and factors	1		
		AP012.02	Risk analysis results	1		
		AP012.03	Aggregated risk profile, including status of risk management actions			
		AP012.05	Project proposals for reducing risk			
		BAI04.03	Prioritized improvements     Performance and capacity plans			
* * * * * *		BAI04.05	Corrective actions	1		
		BAI09.01	Results of fit-for-purpose reviews	1		
		BAI09.04	Results of cost optimization reviews     Opportunities to reduce asset costs or increase value			
		EDM04.03	Feedback on allocation and effectiveness of resources and capabilities			
	APO02.03 Define target digital capabilities.	AP004.05	Results and recommendations	Proposed enterprise architecture changes	AP003.03	
			from proof-of-concept initiatives • Analysis of rejected	Required business and IT capabilities	Internal	
			initiatives	High-level I&T-related goals	Internal	
1	APO02.04 Conduct a gap analysis.	AP004.06	Assessments of using innovative approaches	Gaps and changes required to realize target capability	APO01.03; APO13.02; BAI03.11; EDM04.01	
		AP005.01	Investment return expectations	Value benefit statement for target environment	BAI03.11	
		BAI01.05	Results of program goal achievement monitoring	1		
		BAI01.06	Stage-gate review results	1		
		BAI11.09	Post-implementation review results	1		Stran • 3
		EDM02.02	Evaluation of strategic alignment	1		

Management Pro	actice		Inputs	Outp	uts	
APO02.05 Define the strategic pla	an and road map.	From	Description	Description	То	
		AP003.01	Defined scope of architecture     Architecture concept business case and value proposition	I&T strategy and objectives	All APO; All BAI; All DSS; All MEA	
		AP003.02	Information architecture model	Strategic road map	AP001.01; AP003.01; AP008.01; EDM02.01; EDM02.02	
		AP003.03	Transition architectures	Definition of strategic initiatives	EDM02.01	
		AP005.01	Funding options	Risk assessment	EDM02.01,	
		AP006.02	Budget allocations	initiatives	AP012.01	
		AP006.03	I&T budget	]		7 =  - 11  - 1
		BAI09.05	Action plan to adjust license numbers and allocations			
		DSS04.02	Approved strategic options			
		EDM02.01	Feedback on strategy and goals			
		EDM04.01	Approved resources plan	]		
		EDM04.03	Remedial actions to address resource management deviations			
APO02.06 Communicate the I&T s	strategy and direction.	EDM04.02	Communication of resourcing strategies	Communication packa	ge All APO; All BAI; All DSS; All MEA	
				Communication plan	Internal	
Related Guidance (Standards, Fran	meworks, Compliance R	equirements)	Detailed Reference			
ITIL V3, 2011	·		Service strategy, 3.9 Service	strategy inputs and out	uts	
			<u> </u>			
D. Component: People, Skills and Skill		ndawlo France	uko Comulianos Berui	Detailed Defe		
			rks, Compliance Requirement ommon European Framework	,		
Business plan development			ommon European Framework Part 1: Framework, 2016	Development	ousiness Plan	
Emerging technology monitoring	Skills Framework for t	he Information A	ge V6, 2015	EMRG		
I&T strategy and planning	Skills Framework for t	he Information A	ge V6, 2015	ITSP		Stran •
Strategy alignment			ommon European Framework Part 1: Framework, 2016	for ICT A. Plan—A.1. Strategy Align	S and Business	

Relevant Policy Policy Description Related Guidance Detailed Reference ITIL V3, 2011 Service Strategy, 3. Service guidance.  Provides holistic view of current business and IST environment, strategic direction and initiatives required to transition to the desired future environment. Ensures that business and IST strategy reflect target level of digitization.  F. Component: Culture, Ethics and Behavior.  Key Culture Elements  Establish a culture and underlying values that fit the overall business strategy (e.e., customer oriented, innovation driven, product based). Find ways to inject speed into processes and introduce the supporting, culture and behavior that allow moving at a faster pace. This could start with changing basic habits such as having more frequent strategy leadership meetings or automating certain activities.  In the current control of digital business models, except leadership meetings or automating certain activities.  In the current control of digital business models, except leadership meetings or automating certain activities.  In the current control of digital business models, except strategy leadership meetings or automating certain activities.  In the current control of digital business models, except sense and disruption, it is vital for many on gualization to prioritize digital transformed to in the control or the control or the sense of the control or the	E. Component: Policies and Proced			
AT strategy principles   For details, refer to related guidance.   TIL V3, 2011   Service Strategy, 3. Service guidance.   AT strategy policy and principles   Service strategy in the principle strategy in the strategy in the principle strategy in the principl			Related Guidance	Detailed Reference
business and I&T environment, stratepic direction and initiatives required to transition to the desired future environment. Ensures that business and I&T strategy reflect target level of digitization.  F. Componenti Culture, Ethics and Behavior  Key Culture Elements  Establish a culture and underlying values that fit the overall business strategy (i.e., custome oriented, innovation driven, product based). Find ways to inject speed into processes and introduce the supporting culture and behavior that allow moving at a faster poer. This could start with sustainable lead time sustainable le	I&T service strategy principles	For details, refer to related		Service Strategy, 3. Service
Key Culture Elements  Establish a culture and underlying values that fit the overall business strategy (i.e., customer oriented, invocates and misoscience, the supporting culture and underlying value that fit the overall business strategy (i.e., customer oriented, invocates and misoscience the supporting culture changing basis in concesses and misoscience the supporting culture changing basis in abhits such as having more frequent strategy leadership meetings or automating certain activities.  In the current correct or digital business models, ecosystems and disruption, it is vital for many organizations to prioritize digital transformation in their strategy, Build a culture that challenges the attacks upon and optioner new ways of whorking (i.e., investi in automation analytics to interpret customer needs, build innovative interfaces to gather customer data, create mechanisms to deliver content and offers	&T strategy policy and principles	business and I&T environment, strategic direction and initiatives required to transition to the desired future environment. Ensures that business and I&T strategy reflect		
Establish a culture and underlying values that fit the overall business trategy (i.e., customer oriented, innovation driven, product based). Find ways to inject speed into processes and introduce the supporting culture and behavior that allow moving at a faster pace. This could start with harbeign basis habits such as having more frequent strategy! eadership needings or automating certain activities.  In the current content of digital business models, ecosystems and disruption, it is vital for many organizations to prioritize digital ransformation in their strategy. Build activities the ratios goan dexplores new ways of working (e.g., invest in automation or sepond rapidly to customers, develope sophisticated reporting and analytics to interpret customer needs, build innovative interfaces to pather customer data, create mechanisms to deliver content and offers	F. Component: Culture, Ethics and B	ehavior		
strategy (e., customer oriented, innovation driven, product based). Find ways to inject speed into processes and introduce the supporting culture and behavior that allow moving at a faster pace. This could start with changing basic habits such as having more frequent strategy leadership meetings or automating certain activities.  In the current context of digital business models, ecosystems and disruption, it is vital for many organizations to prioritize digital existing the status quo and explores new ways of working (e.g., invest in automation to respond regirlly to customers, develop sophisticated reporting and analytics to interpret customer needs, build innovative interfaces to gather customer disk, create mechanisms to deliver content and offers	Key Cultur	e Elements	Related Guidance	Detailed Reference
	strategy (i.e., customer oriented, inc ways to inject speed into processes and behavior that allow moving at a changing basic habits such as havin meetings or automating certain activ lin the current context of digital busic disruption, it is vital for many organi transformation in their strategy. Builus status quo and explores new ways to to respond rapidly to customers, de- nanlytics to interoret customers need	ovation driven, product based). Find and introduce the supporting culture faster pace. This could start with grove frequent strategy leadership rities. models, ecosystems and zations to prioritize digital d a culture that challenges the frowtring (e.g., invest in automation elop sophisticated reporting and s. build innovative interfaces to		organizations deliver new products and solutions in the shortest sustainable lead time
· Customer analytics	Industry benchmarks	ı (e.g., balanced scorecard, skills mana ıls	agement tools)	