



### C12 - COBIT Fundamentals and Uses

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## **Agenda**

- Mission Statement and Objectives
- The Need for COBIT
- COBIT Principle
- IT Governance Focus Areas
- COBIT Content Diagram
- Interrelationships of COBIT Components
- COBIT Framework
- COBIT 4.1 Update
- COBIT Campus
- LA ISACA COBIT Survey
- IT Governance Certification





## Mission and Objectives

#### **Mission Statement:**

To research, develop, publicize and promote an authoritative, up-to-date, internationally accepted IT governance control framework for adoption by enterprises and day-to-day use by business managers, IT professionals and assurance professionals

#### **Objectives:**

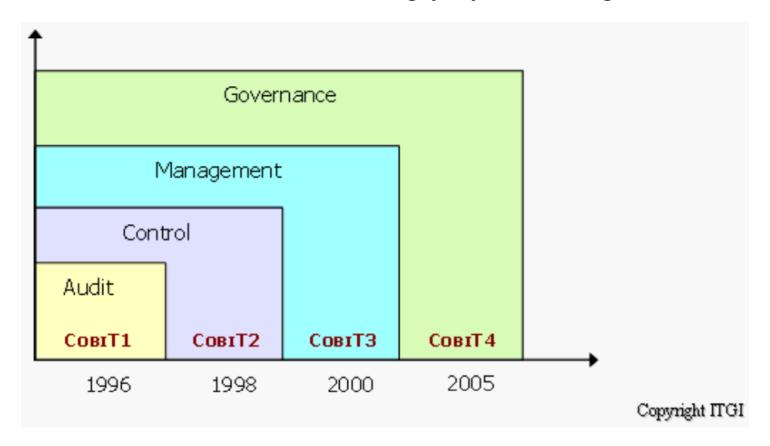
- Aligning IT strategy with the business strategy
- Assuring investors and shareholders that a 'standard of due care' around mitigating IT risks is being met by the organization
- Cascading IT strategy and goals down into the enterprise
- Obtaining value from IT investments
- Providing organizational structures that facilitate the implementation of strategy and goals
- Creating constructive relationships and effective communication between the business and IT, and with external partners
- Measuring IT's performance





## **History of CobiT**

CobiT has evolved from an auditor's tool to an IT governance framework, used increasingly by IT management







### The Need for COBIT

- Better return for IT investment.
- Concern over generally increasing IT expenditure
- Regulatory requirements for IT controls
- Service provider and vendor management
- Increasingly complex IT-related risks
- IT governance
- IT activities that increase business value and reduce business risk
- Need to optimize costs
- Controls benchmarking
- Growing acceptance of well-regarded frameworks:

**♦**COBIT

CMMI

**❖**ITIL

**❖**PRINCE2

**❖**ISO 27000

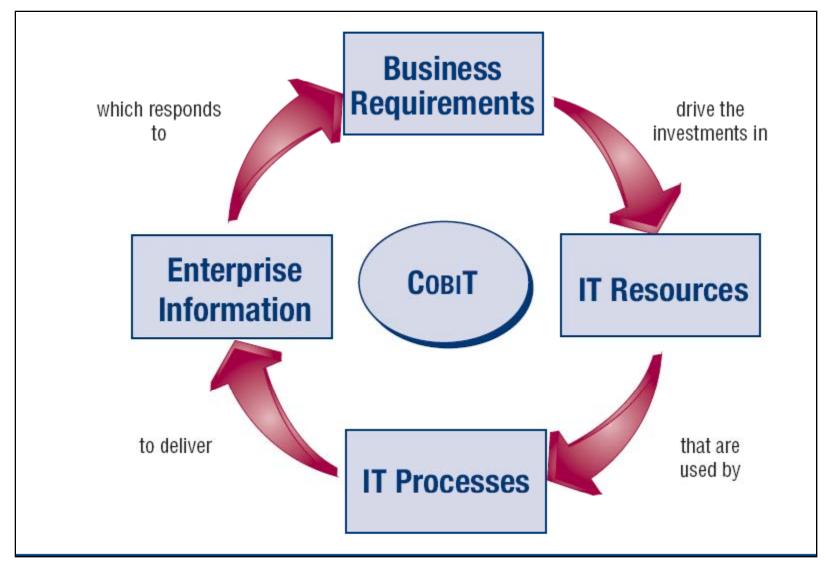
**❖**PMBOK

**❖**ISO 9001:2000





## **COBIT Principle**







### **IT Governance Focus Areas**

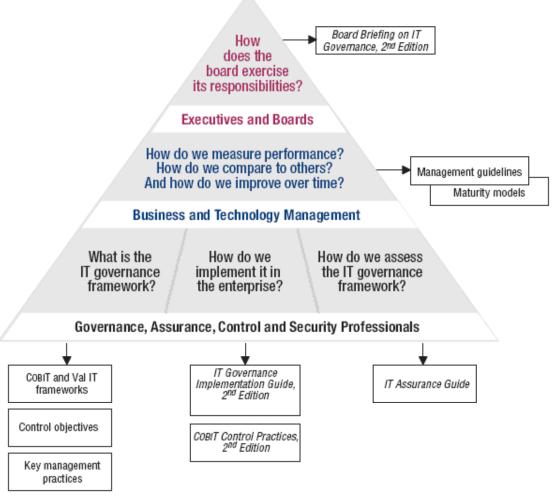


- Strategic Alignment
- Value Delivery
- Resource Management
- Risk Management
- Performance Measures





## COBIT Content Diagram

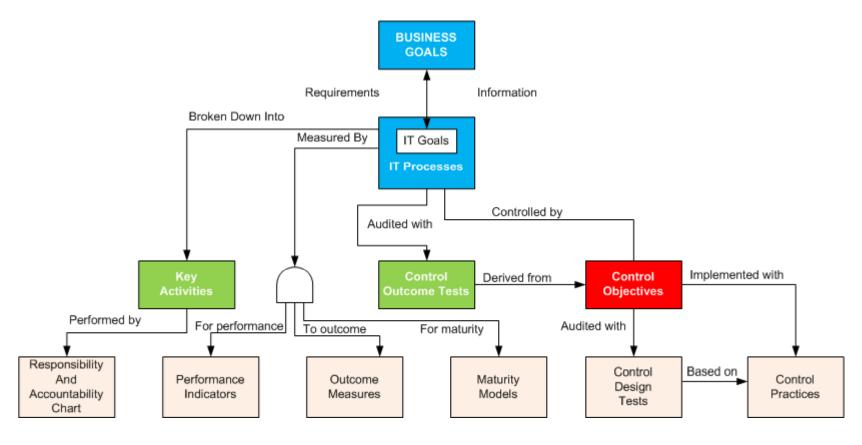


This CosiT-based product diagram presents the generally applicable products and their primary audience. There are also derived products for specific purposes (*IT Control Objectives for Sarbanes-Oxley, 2<sup>nd</sup> Edition*), for domains such as security (CosiT Security Baseline and Information Security Governance: Guidance for Boards of Directors and Executive Management), or for specific enterprises (CosiT Quickstart for small and medium-sized enterprises or for large enterprises wishing to ramp up to a more extensive IT governance implementation).





## **Interrelationships of COBIT Components**





#### BUSINESS OBJECTIVES

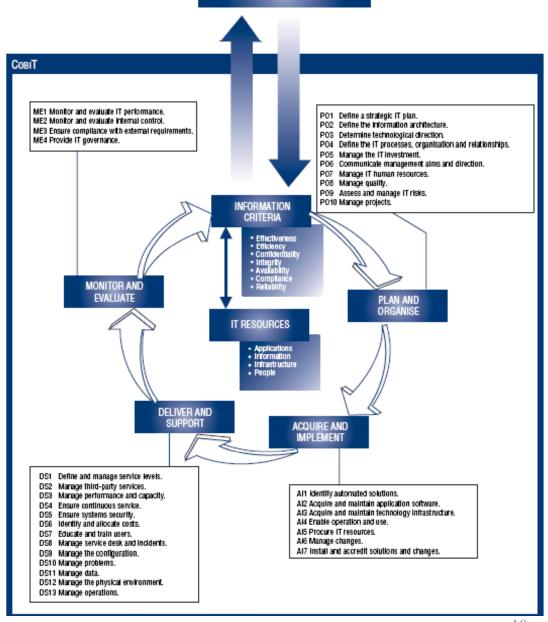
#### **GOVERNANCE OBJECTIVES**

#### **COBIT Framework**

In more detail, the overall COBIT framework can be shown graphically, as depicted in this schematic. It shows the COBIT process model of four domains containing 34 generic processes, managing the IT resources to deliver information to the business according to business and governance requirements.

#### **Four Domains:**

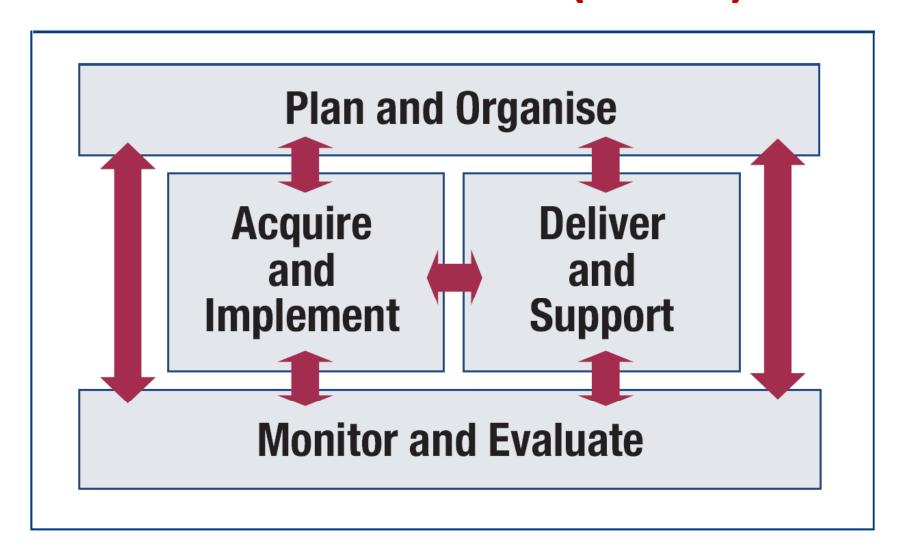
- ❖ PO Plan and Organize
- ❖ AI Acquire and Implement
- DS Deliver and Support
- ME Monitor and Evaluate







## **COBIT Framework (Cont'd)**







## **Plan and Organize**

Process	Description
PO1	Define a Strategic IT Plan
PO2	Define the Information Architecture
PO3	Determine Technological Direction
PO4	Define the IT Processes, Organization and Relationships
PO5	Manage the IT Investment
PO6	Communicate Management Aims and Direction
PO7	Manage IT Human Resources
PO8	Manage Quality
PO9	Assess and Manage IT Risks
PO10	Manage Projects





## **Acquire and Implement**

Process	Description
AI1	Identify Automated Solutions
AI2	Acquire and Maintain Application Software
AI3	Acquire and Maintain Technology Infrastructure
Al4	Enable Operation and Use
AI5	Procure IT Resources
Al6	Manage Changes
AI7	Install and Accredit Solutions and Changes





## **Deliver and Support**

Process	Description
DS1	Define and Manage Service Levels
DS2	Manage Third-party Services
DS3	Manage Performance and Capacity
DS4	Ensure Continuous Service
DS5	Ensure Systems Security
DS6	Identify and Allocate Costs
DS7	Educate and Train Users
DS8	Manage Service Desk and Incidents
DS9	Manage the Configuration
DS10	Manage Problems
DS11	Manage Data
DS12	Manage the Physical Environment
DS13	Manage Operations





## **Monitor and Evaluate**

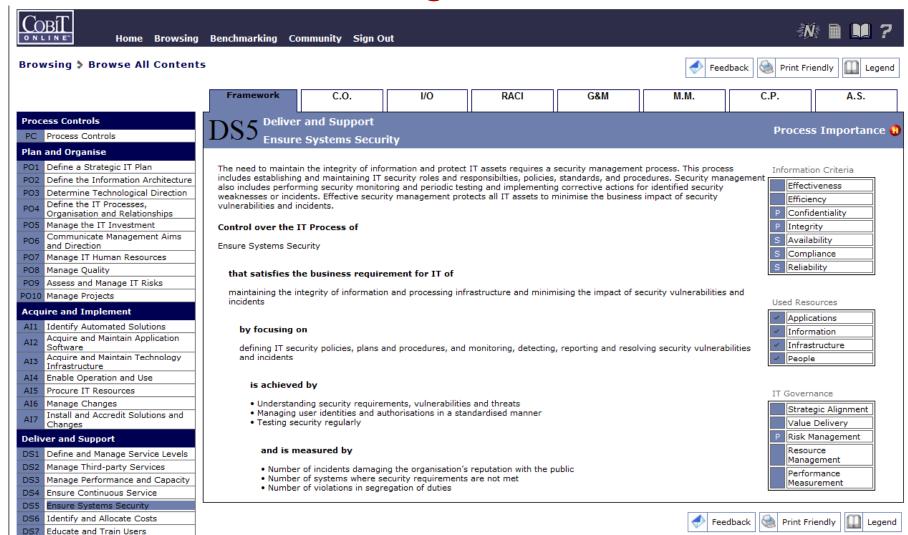
Process	Description
ME1	Monitor and Evaluate IT Performance
ME2	Monitor and Evaluate Internal Control
ME3	Ensure Compliance With External Requirements
ME4	Provide IT Governance



Manage Service Desk and Incidents



# Framework, Control Objectives and Management Guidelines now one integrated book







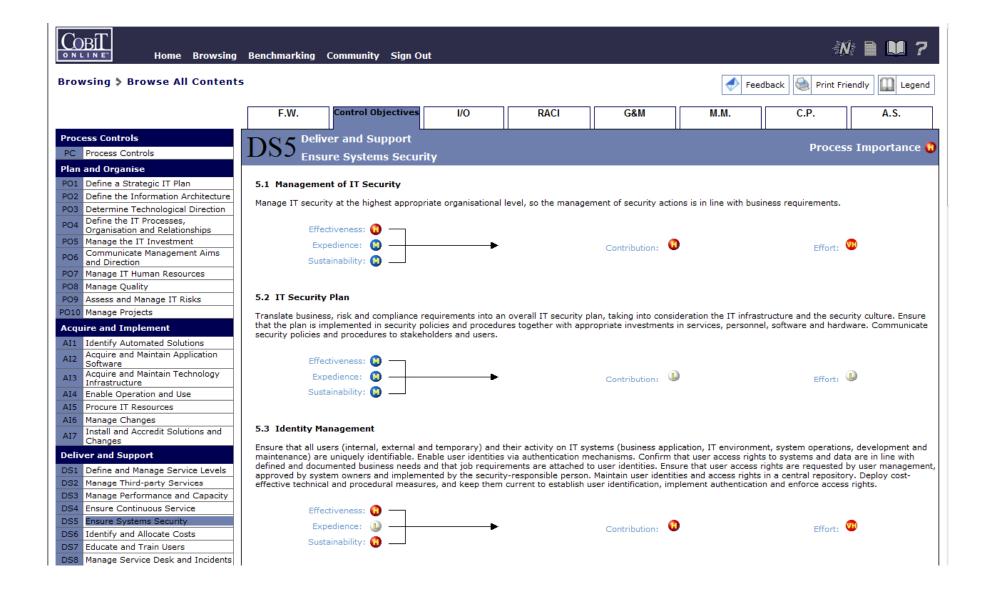
## **Deliver and Support**

Process	Description
DS5.1	Management of IT Security
DS5.2	IT Security Plan
DS5.3	Identity Management
DS5.4	User Account Management
DS5.5	Security Testing, Surveillance and Monitoring
DS5.6	Security Incident Definition
DS5.7	Protection of Security Technology
DS5.8	Cryptographic Key Management
DS5.9	Malicious Software Prevention, Detection and Correction
DS5.10	Network Security
DS5.11	Exchange of Sensitive Data





## **Control Objectives**

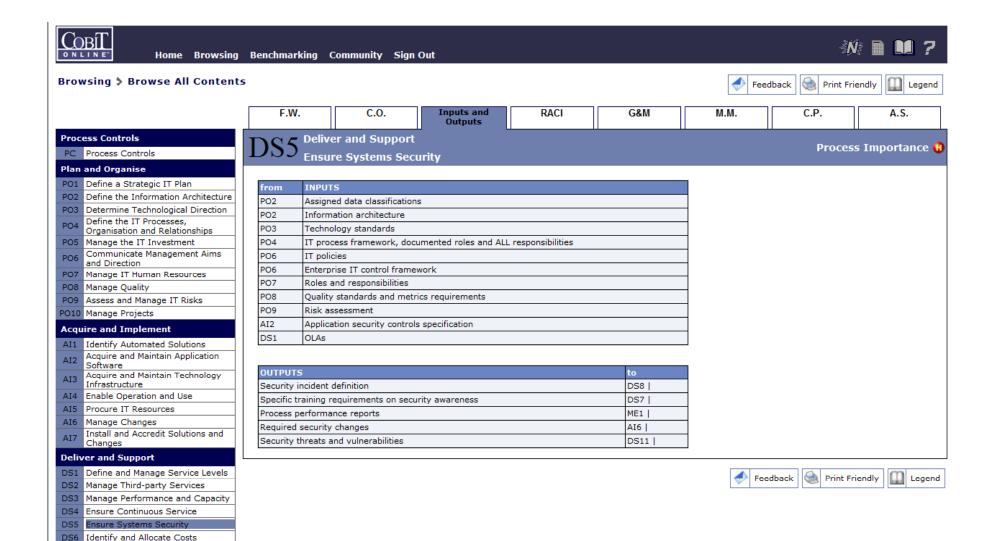




DS7 Educate and Train Users
DS8 Manage Service Desk and Incidents



## **Inputs and Outputs**

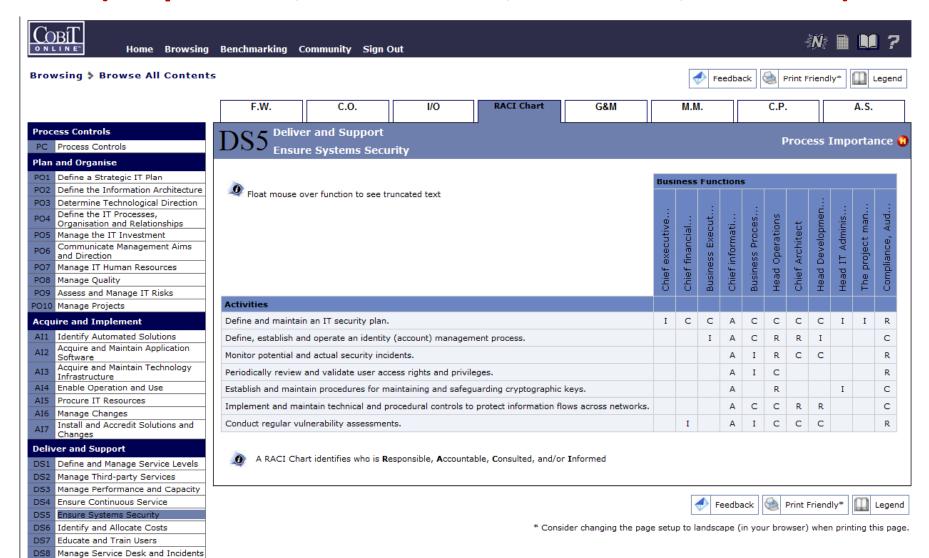






#### **Added RACI chart**

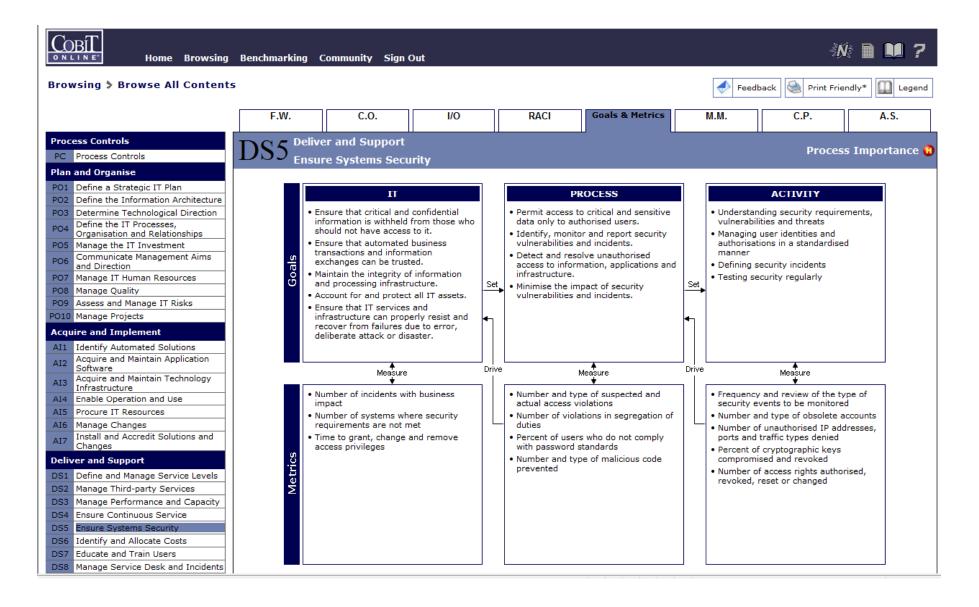
#### (Responsible, Accountable, Consulted, Informed)







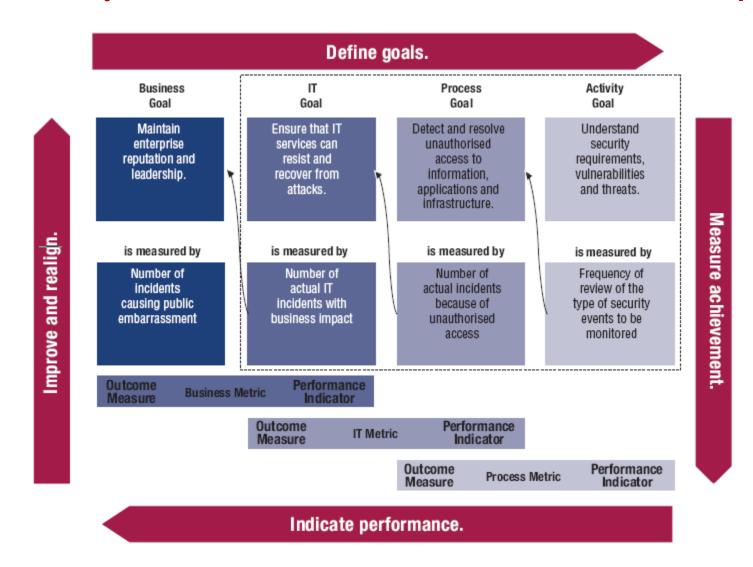
### **Goals and Metrics**







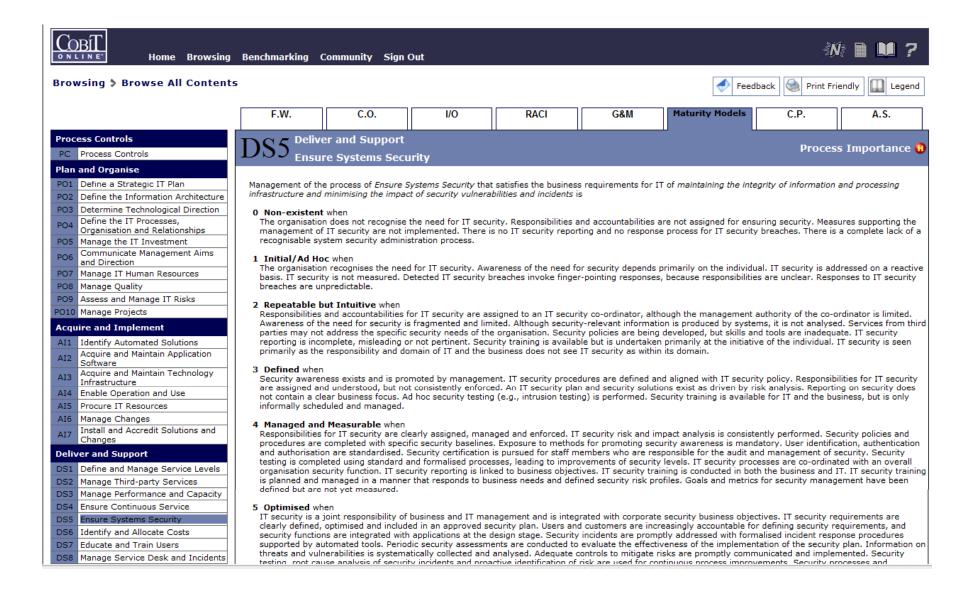
#### Relationship Between Processes, Goals and Metrics (DS5)







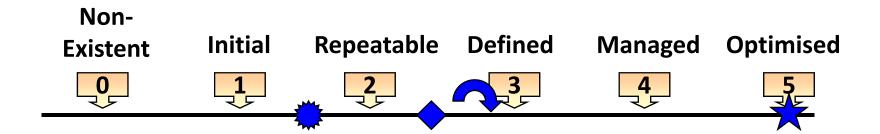
## **Maturity Model**







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#### Legend for symbols used



**Enterprise current status** 



**International standard guidelines** 



**Industry best practice** 



**Enterprise strategy** 

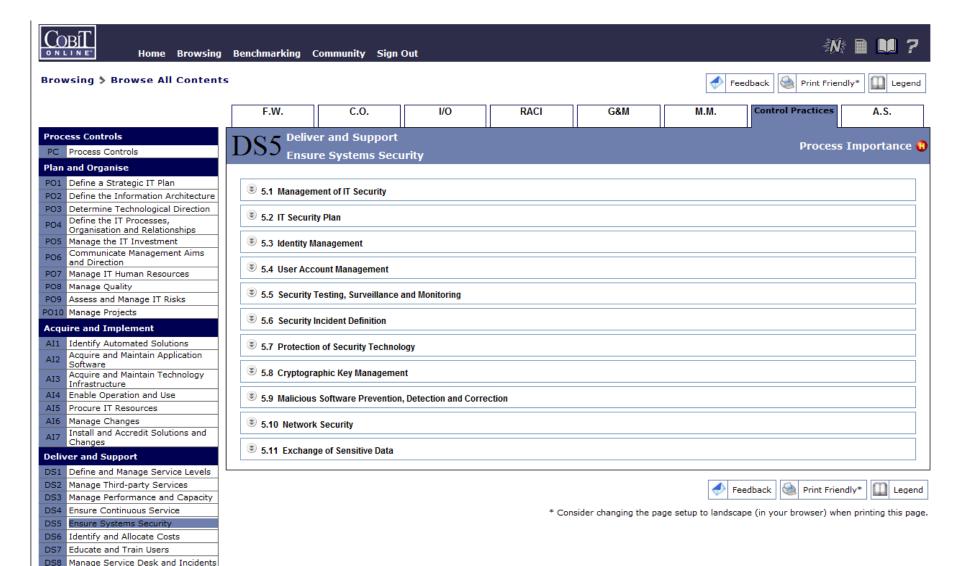
#### Legend for rankings used

- 0 Management processes are not applied at all
- 1 Processes are ad hoc and disorganised
- 2 Processes follow a regular pattern
- 3 Processes are documented and communicated
- 4 Processes are monitored and measured
- 5 Best practices are followed and automated





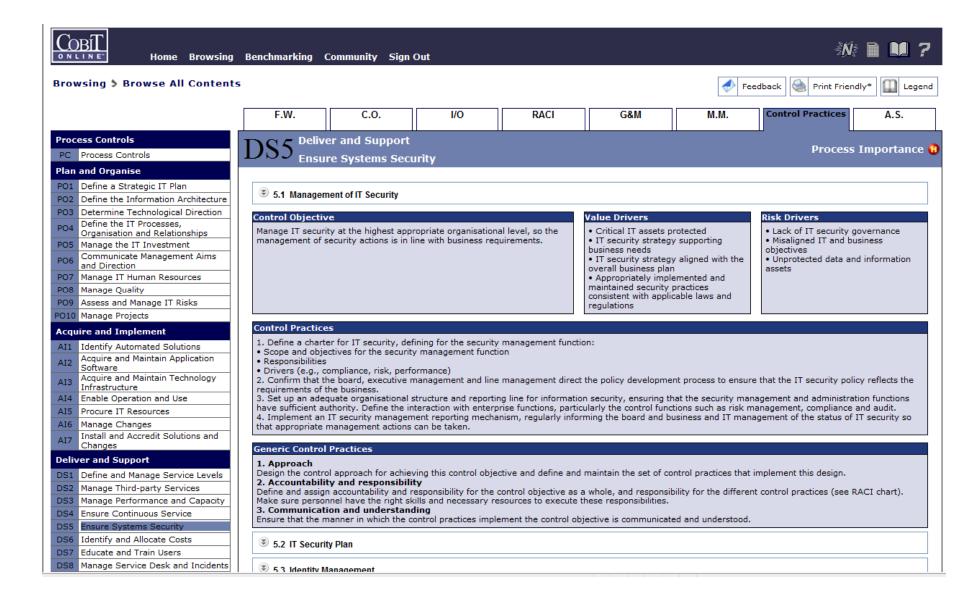
### **Control Practices**







#### Control Practices – DS5.1







### **Control Practices 5.7**

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PO5	Manage the IT Investment
PO6	Communicate Management Aims and Direction
PO7	Manage IT Human Resources
PO8	Manage Quality
PO9	Assess and Manage IT Risks
PO10	Manage Projects
Acqu	ire and Implement
AI1	Identify Automated Solutions
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Deliv	er and Support
DS1	Define and Manage Service Levels
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DS11	Manage Data
DS12	Manage the Physical Environment
DS13	Manage Operations
Moni	tor and Evaluate
ME1	Monitor and Evaluate IT Performance
ME2	Monitor and Evaluate Internal Control
МЕЗ	Ensure Compliance With External Requirements
ME4	Provide IT Governance
Appl	ication Controls

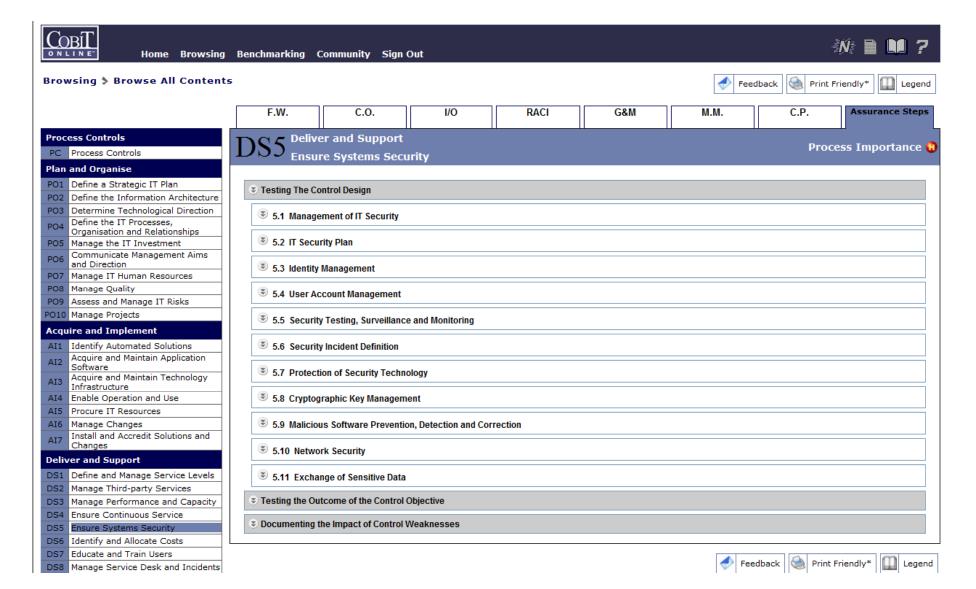
<b>③</b> 5.3 Identity Management											
<b>③</b> 5.4 User Account Management											
<b>③</b> 5.5 Security Testing, Surveillance and Monitoring											
<b>③</b> 5.6 Security Incident Definition											
<b>③</b> 5.7 Protection of Security Technology											
Control Objective	Value Drivers	Risk Drivers									
Make security-related technology resistant to tampering, and do not disclose security documentation unnecessarily.	Make security-related technology resistant to tampering, and do not  • Corporate security technology  • Exposure of information										
Control Practices											
Ensure that all hardware, software and facilities related to the security function of the security documentation and specifications to prevent unauthorised assecurity specifications.     Make the security design of dedicated security technology (e.g., encryption available to unauthorised individuals.     Evaluate the protection mechanisms on a regular basis (at least annually) as	access. However, do not make security of algorithms) strong enough to resist expo	systems reliant solely on secrecy of sure, even if the security design is made									
Generic Control Practices											
1. Approach Design the control approach for achieving this control objective and define and maintain the set of control practices that implement this design. 2. Accountability and responsibility Define and assign accountability and responsibility for the control objective as a whole, and responsibility for the different control practices (see RACI chart). Make sure personnel have the right skills and necessary resources to execute these responsibilities. 3. Communication and understanding Ensure that the manner in which the control practices implement the control objective is communicated and understood.											
■ 5.8 Cryptographic Key Management											
© 5.9 Malicious Software Prevention, Detection and Correction											
<b>③</b> 5.10 Network Security											
<b>⑤</b> 5.11 Exchange of Sensitive Data											







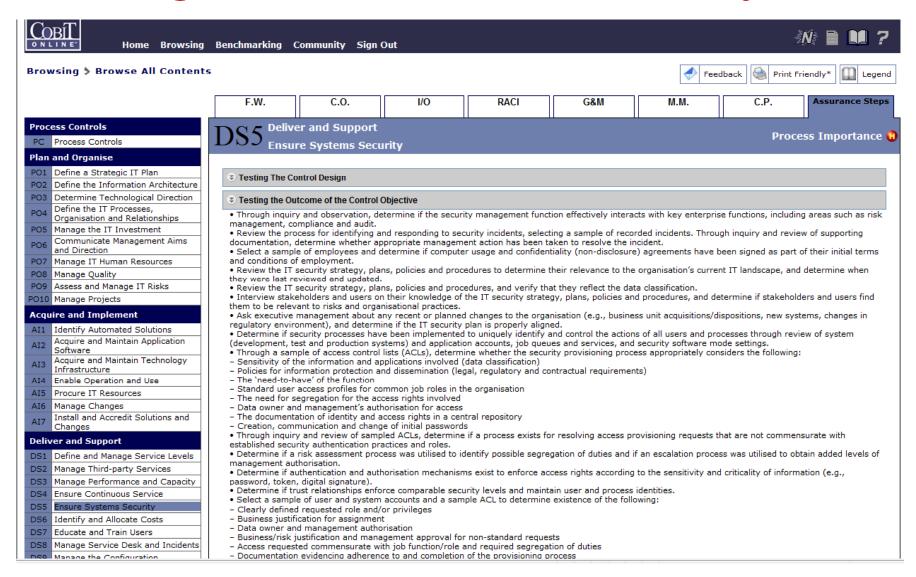
## **Assurance Steps**







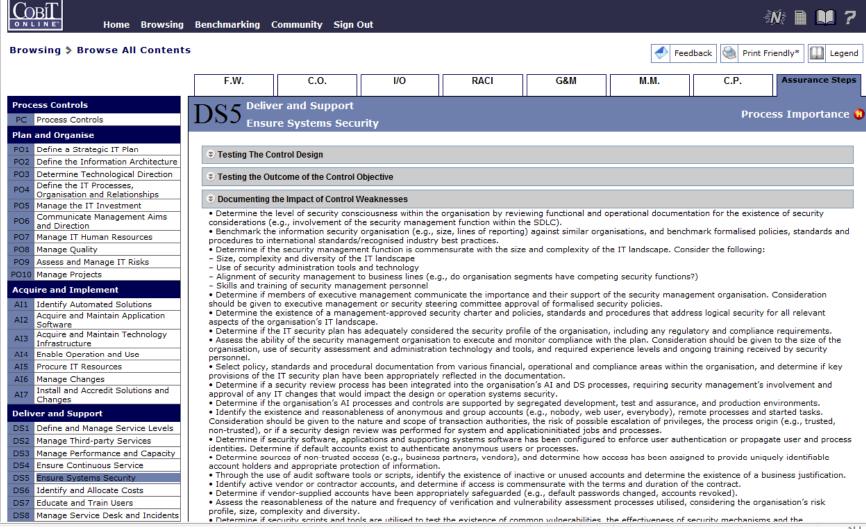
### **Testing the Outcome of Control Objective**







# Documenting the Impact of Control Weaknesses







### **Linking Business Goals To IT Goals**

		Business Goals	IT Goals												
	1	Provide a good return on investment of IT-enabled business investments.	24												
Financial Perspective	2	Manage IT-related business risk.	2	14	17	18	19	20	21	22					
reispediire	3	Improve corporate governance and transparency.	2	18											
	4	Improve customer orientation and service.	3	23											
	5	Offer competitive products and services.	5	24											
Customer	6	Establish service continuity and availability.	10	16	22	23									
Perspective	7	Create agility in responding to changing business requirements.	1	5	25										
	8	Achieve cost optimisation of service delivery.	7	8	10	24									
	9	Obtain reliable and useful information for strategic decision making.	2	4	12	20	26								
	10	Improve and maintain business process functionality.	6	7	11										
	11	Lower process costs.	7	8	13	15	24								
Internal	12	Provide compliance with external laws, regulations and contracts.	2	19	20	21	22	26	27						
Perspective	13	Provide compliance with internal policies.	2	13											
	14	Manage business change.	1	5	6	11	28								
	15	Improve and maintain operational and staff productivity.	7	8	11	13									
Learning and Growth	16	Manage product and business innovation.	5	25	28										
Perspective Perspective	17	Acquire and maintain skilled and motivated people.	9												





## **Linking IT Goals to IT Processes**

#### LINKING IT GOALS TO IT PROCESSES

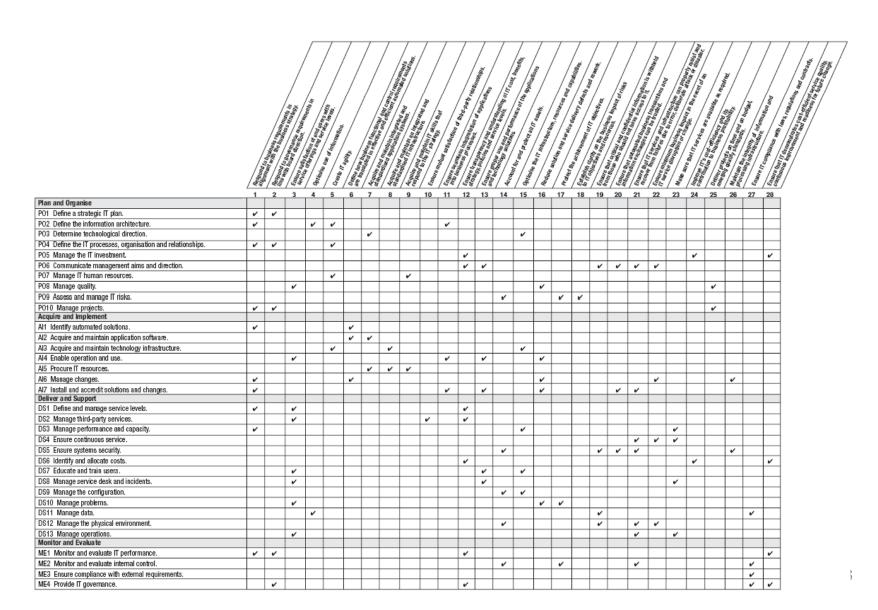
COBIT	Int	forma	tion	Cri	teria
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	IT Goals			Proc	esse	s						Efect	Efficie	Comfu	Integri	4 kelilah	Comp	Rellabi
1	Respond to business requirements in alignment with the business strategy.	P01	P02	P04	P010	Al1	Al6	AI7	DS1	DS3	ME1	Р	Р		S	S		
2	Respond to governance requirements in line with board direction.	P01	P04	P010	ME1	ME4						Р	Р					
3	Ensure satisfaction of end users with service offerings and service levels.	P08	AI4	DS1	DS2	DS7	DS8	DS10	DS13			Р	Р		S	S		
4	Optimise the use of information.	P02	DS11										S		Р			S
5	Create IT agility.	P02	P04	P07	AI3							Р	Р		S			
6	Define how business functional and control requirements are translated in effective and efficient automated solutions.	Al1	AI2	Al6								Р	Р				S	$\neg$
7	Acquire and maintain integrated and standardised application systems.	P03	Al2	AI5								Р	Р				S	$\neg$
8	Acquire and maintain an integrated and standardised IT infrastructure.	AI3	AI5									S	Р				$\neg$	$\neg$
9	Acquire and maintain IT skills that respond to the IT strategy.	P07	AI5									P	Р					
10	Ensure mutual satisfaction of third-party relationships.	DS2										Р	Р	S	S	S	S	S
11	Ensure seamless integration of applications into business processes.	P02	AI4	AI7								Р	Р		S	S	$\neg$	$\neg$
12	Ensure transparency and understanding of IT cost, benefits, strategy, policies and service levels.	P05	P06	DS1	DS2	DS6	ME1	ME4				Р	Р				S	S
13	Ensure proper use and performance of the applications and technology solutions.	P06	AI4	AI7	DS7	DS8						Р	S					
14	Account for and protect all IT assets.	P09	DS5	DS9	DS12	ME2						S	S	Р	Р	Р	S	S
15	Optimise the IT infrastructure, resources and capabilities.	P03	AI3	DS3	DS7	DS9						S	Р				$\neg$	$\neg$
16	Reduce solution and service delivery defects and rework.	P08	AI4	Al6	AI7	DS10						Р	Р		S	S		$\neg$
17	Protect the achievement of IT objectives.	P09	DS10	ME2								Р	Р	S	S	S	S	S
18	Establish clarity of business impact of risks to IT objectives and resources.	P09										S	S	Р	Р	Р	S	S
19	Ensure that critical and confidential information is withheld from those who should not have access to it.	P06	DS5	DS11	DS12									Р	Р	S	S	S
20	Ensure that automated business transactions and information exchanges can be trusted.	P06	AI7	DS5								Р			Р	S	S	$\neg$
21	Ensure that IT services and infrastructure can properly resist and recover from failures due to error, deliberate attack or disaster.	P06	AI7	DS4	DS5	DS12	DS13	ME2				Р	S		S	Р	$\neg$	$\neg$
22	Ensure minimum business impact in the event of an IT service disruption or change.	P06	Al6	DS4	DS12							Р	S		S	Р	$\neg$	$\neg$
23	Make sure that IT services are available as required.	DS3	DS4	DS8	DS13							Р	Р			Р	$\neg$	$\neg$
24	Improve IT's cost-efficiency and its contribution to business profitability.	P05	DS6									S	Р					S
25	Deliver projects on time and on budget, meeting quality standards.	P08	P010									Р	Р		S			S
26	Maintain the integrity of information and processing infrastructure.	Al6	DS5									Р	Р		Р	Р		S
27	Ensure IT compliance with laws, regulations and contracts.	DS11	ME2	ME3	ME4									S	S		Р	S
28	Ensure that IT demonstrates cost-efficient service quality, continuous improvement and readiness for future change.	P05	DS6	ME1	ME4							Р	Р				$\neg$	Р





### **IT Process to IT Goals Matrix**







### **CobiT 4.x Release**

- Detailed control objectives now covers IT governance more completely, better harmonized and more concise (About 30% few controls). Reduced from 320 (CobiT 3.0) to 215 (CobiT 4.0)
- Generic process-related control objectives moved to the Framework as part of Process Goals/Objectives
  - Goals and objectives
  - Ownership
  - Repeatability
  - Roles and Responsibility
  - Policy, Plans and Procedures
  - Process Performance Improvement
- Application controls moved into the *Framework* section from Delivery & Support





## **COBIT 4.1 Update**

Enhanced Executive Overview section

Very minor changes

- Explanation of goals and metrics in the Framework section
  - Minor, mostly rearrangement for presentation and additional clarification
- ❖ Better definitions of the core concepts. It is important to mention that the definition of a control objective changed, shifting more toward a management practice statement.

This has been true since CobiT 3.0 to 4.0 update. Progressive verbiage changes were made for clarification or generalizing purposes.





## COBIT 4.1 Update (Cont'd)

- Improved control objectives resulting from updated control practices and Val IT development activity. Some control objectives were grouped and/or reworded to avoid overlaps and make the list of control objectives within a process more consistent. Specific revisions include:
  - AI5.5 and AI5.6 were combined with AI5.4
    Software Acquisition + Acquisition of Development Resources + Acquisition of Infrastructure, Facilities, and Related Services = IT Resources Acquisition
  - AI7.9, AI7.10 and AI7.11 were combined with AI7.8
    Software Release + System Distribution + Recording and Tracking of Changes = <u>Promotion to Production</u>
  - ME3 was revised to include compliance with contractual requirements in addition to legal and regulatory requirements
    - ME3 = Ensure Compliance With External Requirements. More generic with details moved to Control Practices





## COBIT 4.1 Update (Cont'd)

- ❖ Application controls have been reworked to be more effective, based on work to support controls effectiveness assessment and reporting. 6 application controls replaced the 18 application controls in COBIT 4.0, with further detail provided in COBIT Control Practices, 2nd Edition.
- The list of business goals and IT goals in Appendix I was improved, based on new insights obtained during validation research executed by the University of Antwerp Management School (Belgium).
- The pull-out has been expanded to provide a quick reference list of the COBIT processes, and the overview diagram depicting the domains has been revised to include reference to the process and application control elements of the COBIT framework.
- Improvements identified by COBIT users (COBIT 4.0 and COBIT Online) have been reviewed and incorporated as appropriate.





#### Impact on Users: CobiT 3.x to 4.0 Update

- CobiT 4.0 is an evolution from the 3rd edition based on the same core principals and structure – no need to "throw away" current work
- CobiT 4.0 build on and extends 3rd edition with stronger business focus and governance practices
- The metrics build on the same principles, are integrated with goals and provide more and better examples to help users design their own
- Full x-references provided in appendices showing how processes and control objectives map in both directions to help conversions





#### Impact on Users: CobiT 3.x to 4.0 Update

- Still 4 Domains and 34 Processes
- ❖ An incremental update to CobiT 4.0
- ❖ IT Assurance Guide and CobiT Control Practices were updated with CobiT 4.1





#### **COBIT Campus**

With the growing adoption of COBIT, ISACA recognized the need for structured and formal education and worked together with *ITpreneurs* to develop authentic COBIT learning solutions. COBIT training courses help professionals master COBIT and utilize this knowledge for effective implementation within their organizations. Sustainable COBIT competencies help IT organizations and departments align with the goals and objectives of the business and generate strategic value from IT.

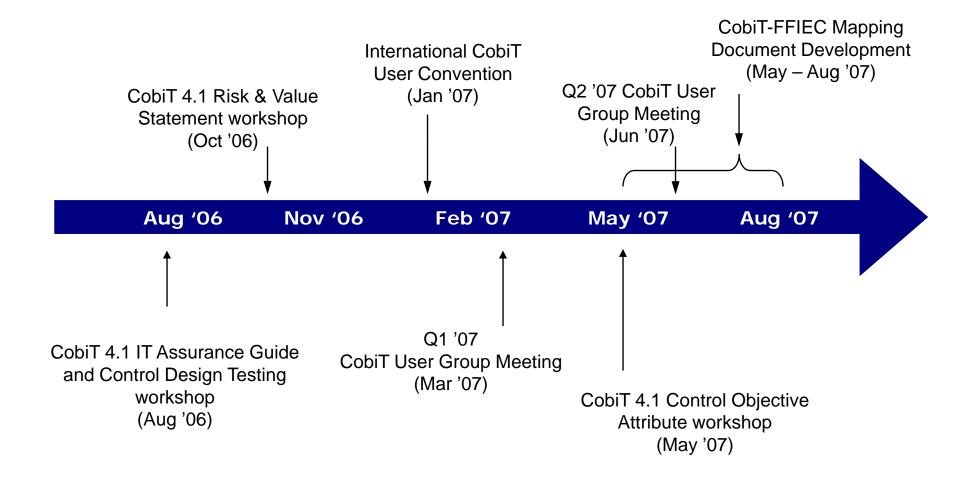
The COBIT curriculum includes the following courses:

- COBIT Awareness Course (2 hours, self paced e-learning)
- COBIT Foundation Course (8 hours, self paced e-learning or 14 hours, classroom)
- COBIT Foundation Exam (1 hour, online 40 questions)
- ❖ IT Governance Implementation Course (14 hours, classroom)
- COBIT for Sarbanes-Oxley Compliance (5 hours, self paced e-learning)





#### COBIT Timeline '06 - '07







# LA ISACA Felt Need to Further COBIT - Why and How

#### <u>Input</u>

- CobiT increasingly accepted and adopted as standard IT Governance Framework.
- Opportunity to better serve our constituents Validated the need during the Christmas party, distributed CobiT survey to determine interest.
- Lack of support for successful adoption in companies / need for evangelizing of CobiT
- Realize valuable resources available (Big "4", representations from major local corporations in key roles, etc)
- Strong relationship with ISACA International
- Identify need to organize chapter initiatives around CobiT





#### **Los Angeles ISACA Survey**

#### **Survey in 4th Quarter 2006**

- ❖Survey Response Rate: 43%
  - 72 attendees (excluding speaker)
  - 32 responses received
- 22 companies represented



## **Survey Results**

<b>Survey Questions</b>	Statistics
Enough interest?	78% say Yes!
CobiT Education Opportunities	72% are "Somewhat Familiar" or "Not Familiar" with CobiT
CobiT User Group Format	44% would like combination of presenters, case studies, and round-table discussions. Appears that there is a preference toward passive meetings
CobiT adoption by companies	Only 14% Formally Adopted
	41% Not Adopted
	41% Somewhere In Between
How does companies use CobiT?	Approx 50% use for Internal Audit, SOX, and IT Governance
Meeting format	81% would prefer dinner





#### Survey (Con't)

#### **Topic Suggestions**

- CobiT Training 101, Getting Started
- CobiT Revision Updates, What's New?
- CobiT Implementation
- Selling CobiT to C-Level Management
- Lessons Learned (Case Studies)
- CobiT as IT Governance
- CobiT as SDLC/Change Management
- Potential CobiT gaps/weaknesses
- CobiT/COSO mapping
- SOX & CobiT
- IT Audit & CobiT
- Similarities/differences between IT Audit & IT Operations leveraging CobiT





#### Survey (Con't)

#### <u>Output</u>

- Formed a CobiT User Group Asked for interested members in survey. Email distribution: cobituser@isacala.org
- CobiT User Group Format:
  - 2 hour meetings
  - Presenter for 1<sup>st</sup> hour, moderated open floor discussion for 2<sup>nd</sup> hour
  - Sponsors
  - Meeting minutes taken and distributed
- Communication with CobiT International:
  - Meeting minutes from CobiT User Group are distributed to International
  - Received responses to user queries and good feedback from International
- Organize local CobiT experts and volunteers:
  - cobit@isacala.org is for volunteers on the CobiT committee
  - <u>cobitdev@isacala.org</u> is for CobiT experts in the local area (dynamic)





#### **LA ISACA Survey Action Plans**

- Dedicated CobiT chair with CobiT knowledge and real life experience. Committees of volunteers with a wide range of CobiT knowledge and experience from various industries.
- Organization of CobiT experts and volunteers. Marketing and communication to local constituents
- Create a community / forum for questions and answers (provide education and support for acceptance and adoption at organizations as well as sharing of knowledge)
- Utilize local credential trainers to offer education at cost (no intention to make profit on CobiT activities, subsidize where possible or find sponsors).
- Strengthen and formalize relationship with International (Brian Selby, Director of CobiT Initiatives) and CobiT Steering Committee through communications and support of CobiT development initiatives.
- Capitalize on chapters' strength committed volunteers (bench strength) and community relationships.
- CobiT User Group meetings are "FREE"!





#### **LA ISACA COBIT Future Events**

- Continued CobiT User Group Meetings
- Conduct "C" level roundtables around CobiT and IT Governance
- Invitation to speak at Campus events on CobiT (e.g., part of USC curriculum)
- CobiT Foundations Course and Certificate Exam
  - ❖ Originally scheduled for July 11- 13, 2007, did not market and provide sufficient lead time to obtain the minimum 12. Plan to reschedule for the first quarter of 2008.
  - CobiT Foundation course with local trainer: \$3,650 for 16 people. Minimum of 12. Plus food and beverage.
- CobiT User Convention will be held concurrently with the ISACA-LA Spring Conference
  - Include as additional conference track to utilize existing conference resources.
  - Combination of Presentations/Case Studies and facilitated sessions.
- Implementing IT Governance with CobiT and Val IT Workshop
  - Will be offered as a pre-conference workshop as part of the CobiT User Convention.





#### **Continued Efforts**

- What other opportunities are there for broader adoption and application?
- How can we support membership in adoption, implementation and sustainable usage?
- Act as a conduit to the CobiT Steering Committee to communicate membership needs What needs to change in CobiT? Influence CobiT 5.0
- What additional guidance is needed for adopters?
- What training is needed? CPEs for upcoming IT Governance Certification
- How can CobiT work better with other standards and frameworks? (additional mapping projects)
- Stay connected with other CobiT User Groups (Atlanta, Toronto etc.) learn from each other
- Develop CobiT page on chapter website to provide CobiT resources.





#### **Current LA ISACA COBIT Initiative**

FFIEC Handbook	In Scope?	Reviewer Assigned
Audit	Yes	Mark Stanley
Business Continuity Planning	Yes	Thomas Phelps
Development and Acquisition	Yes	Miguel Villegas
E-Banking	No	N/A
FedLine	No	N/A
Information Security	Yes	Cheryl Santor
Management	Yes	David Melnick
Operations	Yes	Jack Flaherty
Outsourcing Technology Services	Yes	Amanda Xu
Retail Payment Systems	No	N/A
Supervision of Technology Service Providers	No	N/A
Wholesale Payment Systems	No	N/A

- Common FFIEC Index
- ❖ FFIEC to COBIT
- COBIT to FFIEC

Tab Color Legend					
Foundational Prep Work					
Reviewer's tab					
Core Team's Development					
Analysis					





## **FFIEC Mapping Projects**

#### **Common FFIEC Index**

FFIEC Index	FFIEC IT Handbook	FFIEC Section	FFIEC Subsection	FFIEC Subsection Level 2		
1.1.0.0		ntroduction				
1.2.0.0	Audit	T Audit Roles and Responsibilities				
1.2.1.0	Audit	T Audit Roles and Responsibilities	Board of Directors and Senior Management			
1.2.2.0		T Audit Roles and Responsibilities	Audit Management			
1.2.3.0		T Audit Roles and Responsibilities	nternal IT Audit Staff			
1.2.4.0	Audit	T Audit Roles and Responsibilities	Operating Management			
1.2.5.0		T Audit Roles and Responsibilities	External Auditors			
1.3.0.0	Audit	ndependence Staffing of Internal IT Audit				
1.3.1.0		ndependence Staffing of Internal IT Audit	ndependence			
1.3.2.0	Audit	ndependence Staffing of Internal IT Audit	Staffing			
1.4.0.0	Audit	nternal Audit Program				

#### **COBIT to FFIEC**

Process #			COBIT Control Objective		FFIEC Index	FFIEC IT Handbook	FFIEC Section	FFIEC Subsection	FFIEC Subsection Level 2
DS1	Define and manage service levels.		Service level management framework			Services	Ť.	• •	Key Service Level Agreements and Contract Provisions
DS1	Define and manage service levels.	DS1.1	Service level management framework	A		Outsourcing Technology Services	Risk Management	Contract Issues	
DS1	Define and manage service levels.	DS1.1	Service level management framework	A	4.3.2.2	•	Risk Management of E-Banking Activities		Contracts for Third-Party Services
DS1	Define and manage service levels.	DS1.1	Service level management framework	A	10.4.6.4	Retail Payment Systems	Retail Payment System Risk Management	Operational (Transaction) Risk	Vendor and Third Party Management
DS1	Define and manage service levels.	DS1.1	Service level management framework	A	12.5.6.5		Wholesale Payment Systems Risk Management	Operational (Transaction) Risk	Vendor and Third-Party Management
		DS1.1	Service level management framework	A		3	Management Considerations for Fechnology Service Providers		Contracts
DS1	Define and manage service levels.	DS1.2	Definition of services	A		Outsourcing Technology Services	Risk Management	Ongoing Monitoring	Key Service Level Agreements and Contract Provisions

#### **FFIEC to COBIT**

FFIEC Index	FFIEC IT Handbook	FFIEC Section	FFIEC Subsection	FFIEC Subsection Level 2	COBIT #	COBIT Control Objective	Coverage
1.1.0.0	Audit	ntroduction			PO6.2	Enterprise IT Risk and Control Framework	Д
1.2.1.0	Audit	T Audit Roles and Responsibilities	Board of Directors and Senior Management		ME1.1	Monitoring approach	Д
1.2.1.0	Audit	T Audit Roles and Responsibilities	Board of Directors and Senior Management		PO4.2	T Strategy Committee	A
1.2.1.0	Audit	T Audit Roles and Responsibilities	Board of Directors and Senior Management		PO4.3	IT Steering Committee	A
1.2.1.0	Audit	T Audit Roles and Responsibilities	Board of Directors and Senior Management		PO4.8	Responsibility for Risk, Security and Compliance	A
1.2.2.0	Audit	T Audit Roles and Responsibilities	Audit Management		ME2.2	Supervisory review	A
1.2.2.0	Audit	T Audit Roles and Responsibilities	Audit Management		ME4.7	Independent assurance	A
1.2.2.0	Audit	T Audit Roles and Responsibilities	Audit Management		PO4.8	Responsibility for Risk, Security and Compliance	Α
1.2.2.0	Audit	T Audit Roles and Responsibilities	Audit Management		PO7.4	Personnel Training	A
1.2.3.0	Audit	T Audit Roles and Responsibilities	nternal IT Audit Staff		ME4.7	Independent assurance	A
1.2.3.0	Audit	IT Audit Roles and Responsibilities	nternal IT Audit Staff		PO4.8	Responsibility for Risk, Security and Compliance	A
.2.4.0	Audit	T Audit Roles and Responsibilities	Operating Management		ME2.7	Remedial actions	C
.2.4.0	Audit	T Audit Roles and Responsibilities	Operating Management		ME3.4	Positive assurance of compliance	A
1.2.4.0	Audit	T Audit Roles and Responsibilities	Operating Management		ME4.7	Independent assurance	A





#### **IT Governance Certification**



**CGEIT - Certified in the Governance of Enterprise IT** 

- Promoted in the last Expressline and CobiT Focus newsletter.
- CobiT is a key reference in forming the foundation of this certification
- Take advantage of ITPrenuers chapter offering of CobiT education courses (reduced pricing).
- Initial exam is targeted for December 2008 (grandfathering will also be available)





### **CGEIT Grandfathering**

- ISACA/ITGI is not accepting grandfathering applications at this time, but plan to do so in the future. Additional information and details will be posted at a future date when this provision is active. The following is being provided to give you a general sense of this provision.
- Highly experienced professionals who have had a significant management, advisory and/or assurance role relating to the governance of IT will be allowed to apply for CGEIT certification without being required to pass the CGEIT examination.
- To earn the CGEIT certification during this grandfathering period, an applicant must:
- Have and submit evidence of eight (8) years of experience associated with the governance of the IT-related contribution to an enterprise, with a minimum of three (3) of these years performing tasks directly related to any two or more of the aforementioned CGEIT domains.
- Describe (200-500 words) their experience managing, providing advisory and/or assurance services, and/or otherwise supporting the governance of an enterprise's information technology.
- Adhere to the ISACA Code of Professional Ethics
- Agree to comply with the <u>CGEIT Continuing Education Policy</u>
- Pay an application fee:
  - ❖ US \$595—for ISACA members
  - US \$660—for non-ISACA member credential holders in good standing
  - ❖ US \$725—for all others





#### Thank You!

# Questions?

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