## COBIT 5 Process Assessment Method (PAM)

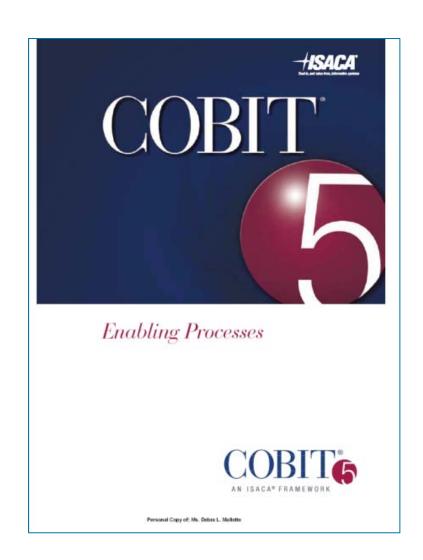
Debra Mallette, CGEIT, CISA, CSSBB Governance Risk and Compliance -G22





## **Session Objectives**

- Why Assess
   Process Capability
- COBIT 5 Process
   Assessment Model
- Relationship to ISO/IEC 15504
- An assessment walk through of: Define and manage service levels



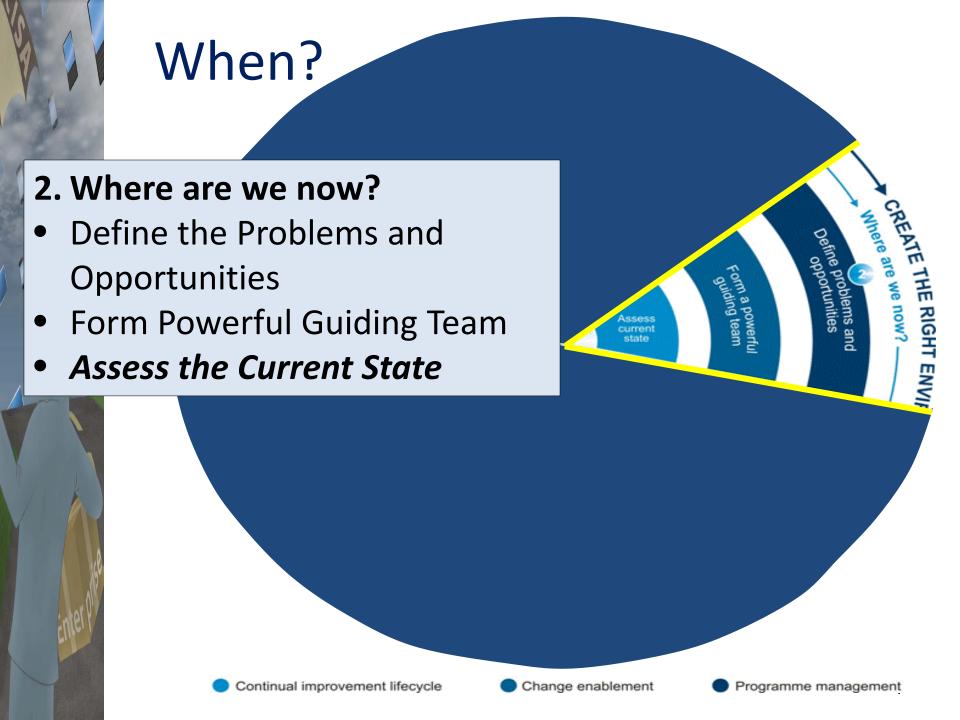


## Why Assess Process Capability?

Informs executive management, board of directors and management stakeholders of:

- the capability of its IT processes
- targets for improvement based on business requirements

Enables fact-based decisions of where and how to apply resources in order to mitigate risks or assure value is delivered



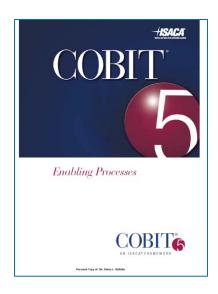


## **COBIT Process Assessment Model**

- 1<sup>st</sup> Described in *COBIT*<sup>®</sup> *Process Assessment Model* (*PAM*): Using *COBIT* <sup>®</sup> 4.1.
- PAM brings together ISO and ISACA.
- COBIT 4.1 was adapted into ISO 15504 compliant Process Reference Model for COBIT 4.1 PAM
- COBIT 5 Enabling Processes designed for ISO 15504 compliance









## What's different?

- But don't we already have maturity models for COBIT 4.1 processes?
- The new COBIT assessment programme is:
  - A robust assessment process based on ISO 15504
  - An alignment of COBIT's maturity model scale with the international standard
  - A capability-based assessment model
- More rigor results in a more robust, objective and repeatable assessment
- Caution: Assessment results will likely vary from existing COBIT maturity models (or any other capability and/or maturity model!)



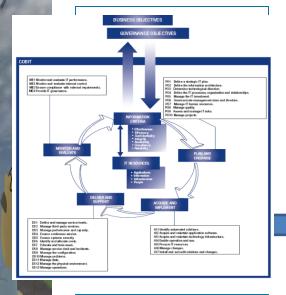
## ISO 15504 Assessment Overview

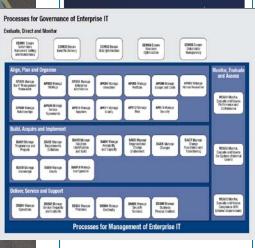
INITIAL IN	PUT	OCESS IENT MODEL	FRAMEWORK
•Purpos	se		evels
•Scope •Constr •Identit •Approx •Assess compet •Addition	*Sponse	•Date •Assessment I •Identification •Assessment I •Process Profi •Additional In	nput of Evidence Process Used les

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#### **Assessment Model: Process Reference Model** Measurement Framework **PROCESS** Capability Levels **Process Attributes** Rating Scale REFERENCE MODEL Domain and Scope Process Purpose OUTPUT Process Outcomes SS Date Assessment Input Identification of ing Evidence Assessment Process Reporting Assessor Used Competence Criteria Process Profiles Additional Additional Information Information Roles and Responsibilities Sponsor · Competent Assessor Assessors

## **COBIT** as Process Reference Model





## PROCESS REFERENCE MODEL

- Domain and Scope
- Process Purpose
- Process Outcomes

4.1 or 5.0?

- Purpose
- Outcomes
- Base Practices
- Work Products



## COBIT 5 Process Reference Model in PAM (excerpt from Draft)

П	Process ID	APO09					
ш	Process Name	Manage Service Agreements					
ш	Process		Align IT-enabled services and service levels with enterprise needs and expectations, including identification,				
ш	Description	specification, design, publishing, agreement, and monitoring of IT services	ces, servic	e levels and performance			
п		indicators.					
ш	Process Purpose Statement	Ensure that IT services and service levels meet current and future enter	rprise need	ds.			
7	Outcomes (Os)						
V.	Number	Description					
9	APO09-01	The enterprise can effectively utilise IT services as defined in a catalogs	ue.				
и	APO09-O2	Service agreements reflect enterprise needs and the capabilities of IT.	~~				
	APO09-O3	IT services perform as stipulated in service agreements.					
В	Base Practices (BPs)						
ı	Number	Description		Supports			
	APO09-BP1	Identify	1	APO09-O1			
			sand				
и		Purpose Purpose	al				
		services 4 4 5 5 5 5	e				
ш		currents	evel				
		options. Catalogu Pofice a					
	APO09-BP2	Catalogu VUITCOMES		APO09-01			
		Deline a	groups.				
		Publish a					
V	APO09-BP3	•Base Practices		APO09-O1/O2			
N		Define a Dast Flatlices	ice				
Ŋ.	APO09-RP4	Catalogu Monitor		APO09-03			
d	APO09-BP4	Monitor Mork Droducto	ride the	APO09-03			
		Monitor appropri •Work Products	vide the				
N							
9.1	APO09-BP5	Reviews		APO09-03			
١		Conduct periodic reviews of the service agreements and revise when no	eeded.				
1	Work Products (WPs)						
A		Inputs					
	Number	Description	Supports				
	EDM04-WP1	Guiding principles for allocation of resources and capabilities	APO09-BP2,				
60.0	APO02-WP8						
	APO05 WP4 Value benefit statement for target environment						
	ADI VIE IMBA	II budget and plan					

Process ID: Name	APO09 Manage Service Agreements
Process Description	Align IT-enabled services and service levels with enterprise needs and expectations, including identification, specification, design, publishing, agreement, and monitoring of IT services, service levels and performance indicators
Process Purpose Statement	Ensure that IT services and service levels meet current and future enterprise requirements.

Purpose: high-level measurable objectives of performing the process and the likely outcomes of effective implementation of the process



## COBIT 5 Process Reference Model in PAM (excerpt from Draft)

## Outcomes (O)

Number	Description
APO09-O1	The enterprise can effectively utilize IT services as defined in a catalogue.
APO09-02	Service Agreements reflect enterprise needs and the capabilities of IT.
APO09-O3	IT Services perform as stipulated in service agreements.

Outcomes: observable results of a process—an artefact, a significant change of state or the meeting of specified constraints

Dase Fractices (DFs)					
Number	Description	Supports			
APO09- BP1	Identify IT services.	APO09-O1			
APO09- BP2	Catalogue IT-enabled services.	APO09-O1			
APO09-	Define and prepare service	APO09-			
BP3	agreements.	01/02			
APO09-	Monitor and report service	APO09-O3			

BP4 levels.

APO09- Review service APO09-O3

BP5 agreements and contracts.

BP5 agreements and contracts.

Base Practices: activities that, when consistently performed, contribute to achieving the process purpose

### **Work Products (WPs)** Inputs Number Description Supports EDMO4-Guiding principles for APO09-BP2 allocation of resources and WP1 APO09-01 capabilities **APO02-**Gaps and changes required to realize target capability WP8 APO02-Value Benefit statement for WP9 target environment **APO06-**IT Budget and plan WP4

## Work Products: artefacts associated with the execution of a process—'inputs' and "outputs"



## COBIT 5 Process Reference Model in PAM (excerpt from Draft)

Process ID		APO09			
Process Na	me	Manage Service Agreements			
Proc Descrip		Align IT-enabled services and service levels with enterprise needs and expectations, including identification, specification, design, publishing, agreement, and monitoring of IT services, service levels and performance indicators.			
Process P Staten		Ensure that IT services and service levels meet current and future enter	erprise nee	ds.	
Outcomes	(Os)				
Num	ber	Description			
APO09-01		The ent	yę.		
APO09-02		Service A DILLKIA A A A			
APO09-03		•Purpose			
Base Practi	ices (BPs)	_			
Num	ber	·O		Supports	
APO09-BP1		•Outcomes	es and	APO09-01	
		service service Page Proofice	ial he		
		•Base Practices  options	level		
APO09-BP2		Oder Publish • Work Products	tgroups.	APO09-O1	
APO09-BP3		Define  Define and prepare service agreements based on the options in the se catalogues. Include internal operational agreements.	rvice	APO09-O1/O2	
APO09-BP4		Monitor and report service levels.  Monitor service levels, report on achievements and identify trends. Pr appropriate management information to aid performance manageme		APO09-03	
APO09-BP5		Review service agreements and contracts.  Conduct periodic reviews of the service agreements and revise when re-	needed.	APO09-O3	
Work Produ	ucts (WPs)				
		Inputs			
Num		Description		Supports	
EDM04-WP	1	Guiding principles for allocation of resources and capabilities	APO09-BP2,		
APO02-WP8	3	Gaps and changes required to realise target capability	APO09-01		
APO02-WP9		Value benefit statement for target environment			
ABOOK WIDA	•	IT hudget and also		45	



## **COBIT 5 Enabling Processes** as Process Reference Model



Enabling Processes



You don't need the COBIT 5 PAM to get started. COBIT 5 Enabling Processes already documented as a ISO 15504 PRM

- Purpose
- Outcomes
- Base Practices
- Work Products

## COBIT 5 Enabling P APO09 Manage Ser

## Purpose

Level of business user satisfaction with quality and timeliness

Number of business process incidents caused by non-availability

(or availability) of management information

Outcomes

## APO09 Manage Service Agreements Process Description

Align IT-enabled services and service levels with enterprise needs and expectations, including and monitoring of IT services, service levels and performance indicators.

#### Process Purpose Statement

Ensure that IT services and service levels meet current and future enterprise needs.

14 Avail ability of reliable and useful information for decision making

Base PracticesWork Products

## **Purpose**: Process Purpose Statement is the Purpose.

	Number of business process incluents caused by normal analytic of information     Ratio and extent of erroneous business decisions where erroneous or unavailable information was a key factor
Process Goals and Metrics	
Process Goal	Related Metrics
The enterprise can effectively utilise IT services as defined in a catalogue.	Number of business processes with undefined service agreements
2. Service agreements reflect enterprise needs and the capabilities of IT.	Percent of live IT services covered by service agreements     Percent of customers satisfied that service delivery meets agreed-on levels
3. IT services perform as stipulated in service agreements.	Number and severity of service breaches     Percent of services being monitored to service levels     Percent of service targets being met

Outcomes: Under Process Goals and Metrics, the Process Goals are the observable outcomes.



**Base Practices:** The Management Practices are the Base Practices.

- Purpose
- Outcomes
- Base Practices
- Work Products

APO09 Process Practices, Inputs/Outputs and Activities							
Management Practice		In puts Outputs					
AP009.01 Identify IT services.	From	Description	Description	То			
Analyse business requirements and the way in which IT-enabled services and service levels support business processes. Discuss and agree on potential services and service levels with the business, and compare them			Identified gaps in IT services to the business	AP002.02 AP005.03 AP008.02			
with the current service portfolio to identify new or changed services or service level options.			Definitions of standard services	AP005.01			

Work Products: The Inputs and Outputs are the Work Products and/or Evidence.



## Assessment Model: Measurement Framework

Competent Assessor

Assessors

Process Reference Model

Domain and Scope
 Process Purpose
 Process Outcomes

INITIAL INPUT

Constraints

Competence Criteria

Identities

Approach

Assessor

Additional

Information

Purpose Scope

### MEASUREMENT FRAMEWORK Capability Levels Process Attributes Rating Scale **Data Validation** Identification of **Process Attribute Rating** Evidence Assessment Process Reporting Used Process Profiles Additional Information Roles and Responsibilities Sponsor



#### **Optimizing**

The process is continuously improved to meet relevant current and projected business goals.



#### **Level 5** Optimizing process

PA 5.1 Process innovation attribute

PA 5.2 Process optimization attribute

#### **Predictable**

The process is enacted consistently within defined limits.



#### **Level 4** Predictable process

PA 4.1 Process measurement attribute

PA 4.2 Process control attribute

#### **Established**

A defined process is used based on a standard process.



#### **Level 3** Established process

PA 3.1 Process definition attribute

PA 3.2 Process deployment attribute



PA 1.1

### Level 2 Managed process

PA 2.1 Performance management attribute

PA 2.2 Work product management attribute

#### Managed

The process is managed and work products are established, controlled and maintained.



#### **Level 1** Performed process

Process performance attribute

#### **Performed**

The process is implemented and achieves its process purpose.

Level 0

**Incomplete process** 

#### Incomplete



Level 0
Incomplete process

### **Incomplete**



# Level 1 Performed process

PA 1.1 Process performance attribute

### **Performed**

The process is implemented and achieves its process purpose.





## Level 2 Managed process

PA 2.1 Performance management attribute

PA 2.2 Work product management attribute

### **Managed**

The process is managed and work products are established, controlled and maintained.



**Level 1** Performed process

PA 1.1 Process performance attribute

#### **Performed**

The process is implemented and achieves its process purpose.

Level 0

**Incomplete process** 

#### Incomplete



### **Established**

A defined process is used based on a standard process.

## Level 3 Established process

PA 3.1 Process definition attribute

PA 3.2 Process deployment attribute



PA 2.1 PA 2.2

Performance management attribute Work product management attribute

work products are established, controlled and maintained.



Level 1

PA 1.1

Performed process

**Process performance attribute** 

#### **Performed**

The process is implemented and achieves its process purpose.

Level 0

**Incomplete process** 

#### **Incomplete**



### **Predictable**

The process is enacted consistently within defined limits.



# Level 4 Predictable process

PA 4.1 Process measurement attribute

PA 4.2 Process control attribute

PA 1.1 Process performance attribute

achieves its process purpose.

Level 0

**Incomplete process** 

#### **Incomplete**



## **Optimizing**

The process is continuously improved to meet relevant current and projected business goals.

# Level 5 Optimizing process

PA 5.1 Process innovation attribute

PA 5.2 Process optimization attribute



PA 1.1 Process performance attribute a

achieves its process purpose.

Level 0

**Incomplete process** 

#### **Incomplete**



#### **Optimizing**

The process is continuously improved to meet relevant current and projected business goals.



#### **Level 5** Optimizing process

PA 5.1 Process innovation attribute

PA 5.2 Process optimization attribute

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#### **Level 1** Performed process

Process performance attribute

#### **Performed**

The process is implemented and achieves its process purpose.



**Incomplete process** 

#### Incomplete



## **Process Attributes**

- Each of the 9 Process Attributes are specified as:
  - Result of Full Achievement of Attribute
  - Generic Practices (GPs)
  - Generic Work Products (GWPs)



## Capability Level 1: Performed PA1.1 Process Performance

### **PA1.1-Process Performance**

Result of Full Achievement of the Attribute	Generic Practices (GPs)	Generic Work Products (GWPs)			
The process achieves its defined outcomes.	GP1.1.1 Achieve the process outcomes. There is evidence that the intent of base practice is being performed.	Work products are produced that provide evidence of process outcomes.			



## Capability Level 1: Performed PA1.1 Process Performance

- Capability Level 1 Performed?
- PA1.1 Process Performance?
  - Does the process achieve its defined outcomes?
    - -As evidenced by:
      - Production of an object
      - A significant change of state
      - Meeting of specified constraints
        - -e.g., requirements, goals



## **Process Attribute Rating Scale**

- COBIT assessment process measures the extent to which a given process achieves the process attributes as:
  - Result of Full Achievement of Attribute
  - Generic Practices (GPs)
  - Generic Work Products (GWPs)



## **Process Attribute Rating Scale**

- N Not achieved—>0 to 15% achievement
  - •Little or no evidence of achievement
- P Partially achieved—> 15% to 50% achievement
  - Some evidence of approach
  - Some achievement with aspects unpredictable
- L Largely achieved—> 50% to 85% achievement
  - Evidence of systematic approach
  - Significant achievement with some weakness
- F Fully achieved—> 85% to 100% achievement
  - Evidence of a complete & systematic approach
  - •Full achievement, no significant weaknesses



## Process Attribute Rating Heat Map

Process Attribute Achievement					
85%-100% Fully achieved					
	50%-85%	Largely achieved			
	15%-50%	Partially achieved			
	0-15%	Not achieved			

## Capability Level & Process Attributes

Capability Level	Process Attribute	1	2	3	4	5
Level 5: Optimizing	PA5.1&5.2					L/F
Level 4: Predictable	PA4.1&4.2				L/F	F
Level 3: Established	PA3.1&3.2			L/F	F	F
Level 2: Managed	PA2.1&2.2		L/F	F	F	F
Level 1: Performed	PA1.1	L/F	F	F	F	F

Level 0: Incomplete

L/F = Largely or Fully Achieved F = Fully Achieved 34

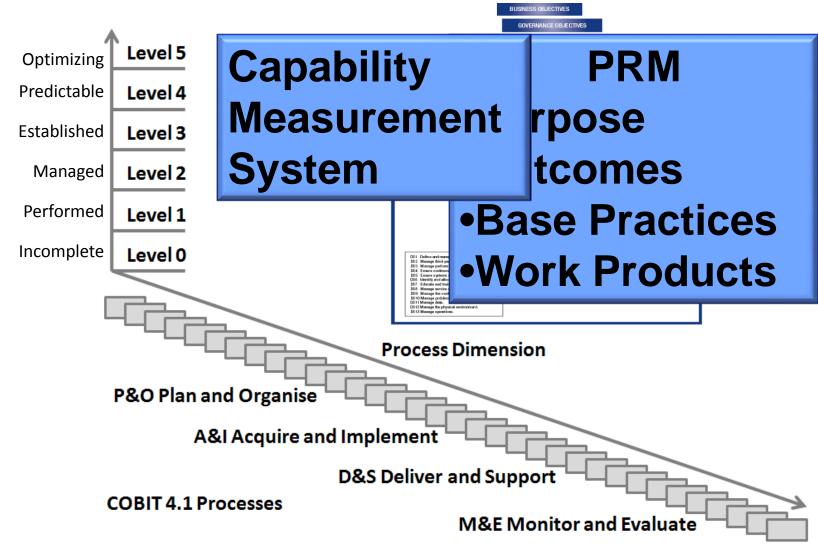


Scope

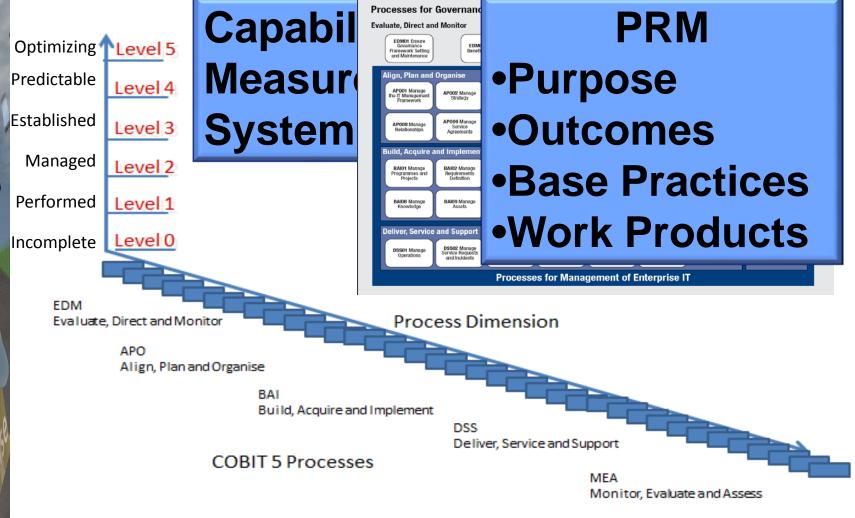
### **COBIT Assessment Model Overview**

#### **PROCESS** ment Framework Process Refere lity Levels s Attributes Domain and Sc ASSESSMENT MODEL Scale Process Purpos Process Outcor Scope Indicators Mapping INITIAL INPUT OUTPUT Date Purpose Translation · Assessment Input Constraints Identification of Identities Evidence · Assessment Process Approach Assessor Used Competence Criteria Process Profiles Additional Additional Information Information Roles and Responsibilities Sponsor Competent Assessor Assessors

## COBIT 4.1 PAM: COBIT 4.1 Capability + Attributes & PRM



## COBIT 5 PAM => COBIT 5 Capability + Attributes & PRM





## Primary and Supporting Processes in PRM



# **Assess Process Capability** with PAM:

**COBIT 5 PAM Example:**APO09 *Manage Service Agreements* 



### **APO09 Manage Service Agreements**

- Capability Level 1 Performed?
- PA1.1 Process Performance?
  - Does the process achieve its defined outcomes?
    - -As evidenced by:
      - Production of an object
      - A significant change of state
      - Meeting of specified constraints
        - -e.g., requirements, goals



## **APO09 Manage Service Agreements**

- Capability Level 1 Performed?
- PA1.1 Process Performance?

Process Attribute Achievement						
85%-100% Fully achieved						
	50%-85%	Largely achieved				
	15%-50%	Partially achieved				
	0-15%	Not achieved				



## (Draft) COBIT 5 PAM: APO09 Manage Service Agreements

Process ID	APO09							
Process Name	Manage Service Agreements							
Process Description	Align IT-enabled services and service levels with enterprise needs and expectations, including identification, specification, design, publishing, agreement, and monitoring of IT services, service levels and performance indicators.							
Process Purpose Statement	Ensure that IT services and service levels meet current and future enterprise needs.							
Outcomes (Os)								
Number	Description							
APO09-O1	The ent	we.						
APO09-O2	Service ADLLIKIO O O O							
APO09-O3	•Purpose							
Base Practices (BPs)								
Number	•Outcomes		Supports					
APO09-BP1	Identify OUTCOMES		APO09-O1					
	Analyse	es and						
	service	ial he						
	•Base Practices	ne level						
	options DUSC I I UCTIOCS	i e ve i						
APO09-BP2	Catalog		APO09-O1					
	Define Publish •Work Products	t groups.						
APO09-BP3	Define		APO09-O1/O2					
	Define and prepare service agreements based on the options in the se	rvice						
	catalogues. Include internal operational agreements.							
APO09-BP4	Monitor and report service levels.		APO09-03					
	Monitor service levels, report on achievements and identify trends. Pr appropriate management information to aid performance manageme							
		nt.						
APO09-BP5	Review service agreements and contracts.		APO09-03					
Work Products (WPs)	Conduct periodic reviews of the service agreements and revise when r	needed.						
	Inputs							
Number	Description		Supports					
EDM04-WP1	Guiding principles for allocation of resources and capabilities		APO09-BP2,					
APO02-WP8	Gaps and changes required to realise target capability		APO09-01					
APO02-WP9	Value benefit statement for target environment							
APONE WIDA	IT hudget and also		1					



# Capability Level 2 Managed PA 2.1 Performance Management

- a. Objectives for process performance identified?
- b.Performance of process planned and monitored?
- c. Performance of process adjusted to meet plans?
- d.Responsibilities and authorities for performing the process defined, assigned and communicated?
- e. Resources and information necessary for performing the process identified, made available, allocated and used?
- f. Interfaces between involved parties managed to ensure effective communication and clear assignment of responsibility?



# Capability Level 2: Managed PA2.2 Work Product Management

- a. Have requirements for the work products of the process been defined?
- b. Have requirements for documentation and control of the work products been defined?
- c. Are work products appropriately identified, documented and controlled?
- d.Are work products reviewed in accordance with planned arrangements and adjusted as necessary to meet requirements?



## **Assessed Process Capability Level**

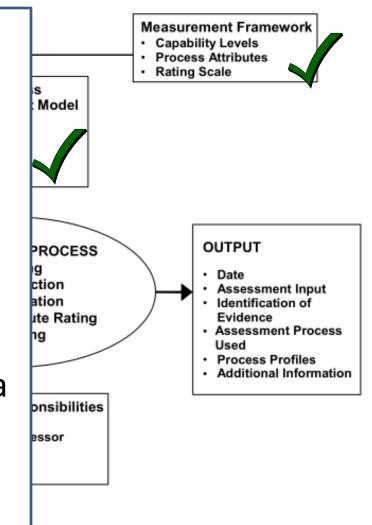
	Capability	Capability	Capa	bility
	Level 0:	Level 1:	Leve	el 2:
	Incomplete	Performed	Mana	aged
Process Assessed	False if Capability Level =/> 1	PA 1.1	PA2.1	PA2.2
APO09 Manage Service	-			
Agreements	FALSE	45%	0%	0%



### Assessment Process: Initial Input

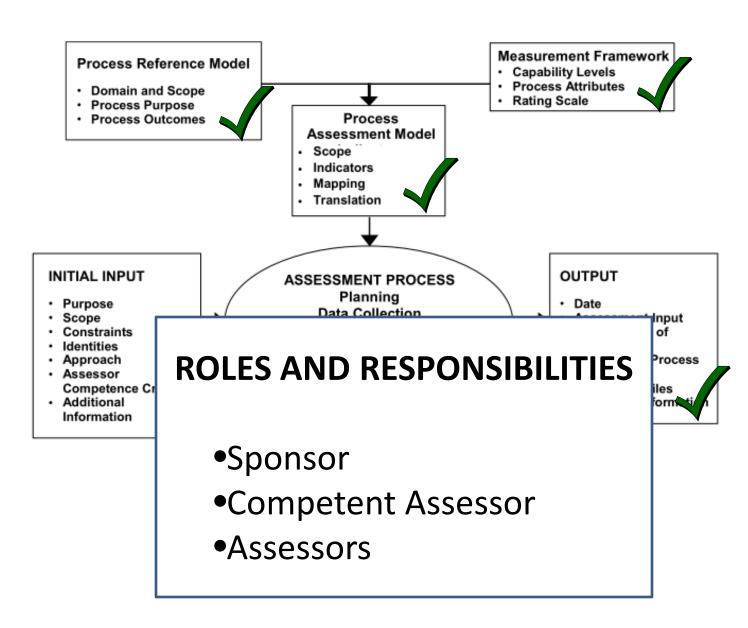
#### **INITIAL INPUT**

- Purpose
- Scope
- Constraints
- •Identities
- Approach
- Assessorcompetence criteria
- AdditionalInformation





### Assessment Process: Roles





### **Assessor Roles:**

#### **COBIT** process assessment roles:

Lead assessor—'competent' assessor responsible for overseeing the assessment activities

Assessor—developing assessor competencies; performs assessment activities

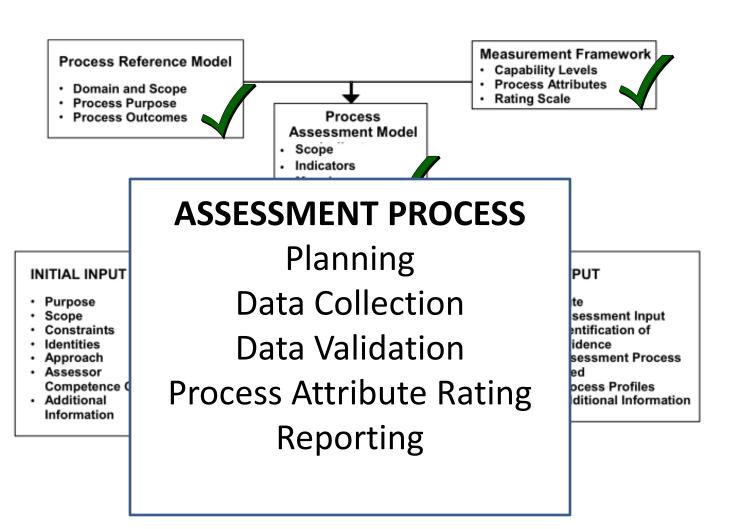
**Competencies**-Knowledge, skills and experience:

- •PRM, PAM, Methods & Tools, Rating Processes
- Processes/Domains being assessed
- Personal attributes for effective performance

ISACA's COBIT Assessor training and certification scheme under development



#### **Assessment Process**





## **Assessment Process - Planning**

- 1. Initiation
- 2. Planning the assessment
- 3. Briefing
- 4. Data collection
- 5. Data validation
- 6. Process attributes rating
- 7. Reporting the results



## **Assessment Process - Assessing**

- 1. Initiation
- 2. Planning the assessment
- 3. Briefing
- 4. Data collection
- 5. Data validation
- 6. Process attributes rating
- 7. Reporting the results

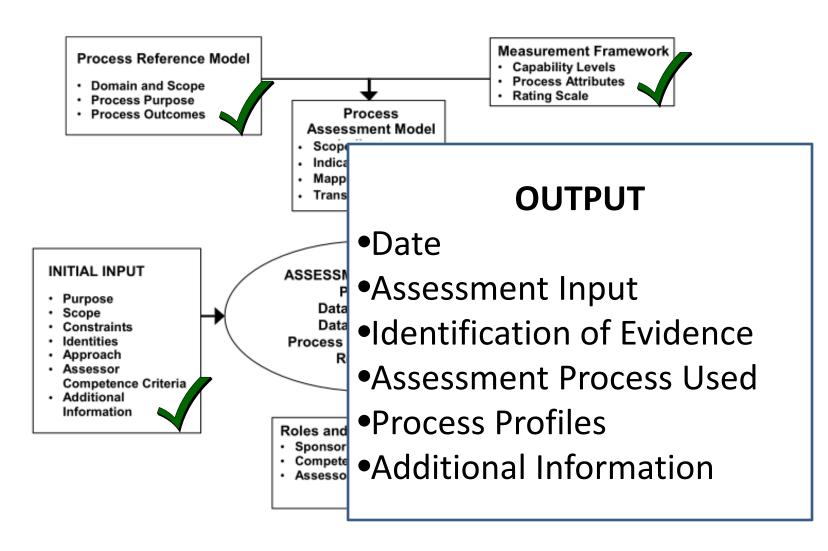


## **Assessment Process - Reporting**

- 1. Initiation
- 2. Planning the assessment
- 3. Briefing
- 4. Data collection
- 5. Data validation
- 6. Process attributes rating
- 7. Reporting the results



## **Assessment Process: Output**





## A Process Capability Profile

			T				I		т		
Process Capability Level	Capability	Capability	Capa	bility	Сар	ability	Capability		Capability		
(based on attributes) =>	Level 0:	Level 1:	Leve	el 2:	Le	vel 3:	Level 4	Level 4:		Level 5:	
(based off attributes) =>	Incomplete	Performed	Man	aged	Esta	blished	Predictable		Optimizing		
	False if										
	Process			Work							
	Capability is	Process	Performance	Product	Definition						
	Level 1 or	Performance	management	Management		Deployment	Measurement	Control	Innovation	Optimization	
Processes Assessed	Better	(PA 1.1)	(PA2.1)	(PA2.2)	(PA3.1)	(PA3.2)	(PA4.1)	(PA4.2)	(PA5.1)	(PA5.2)	
DS1: Define and Manage Service Levels	FALSE	45%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	
DS2: Manage Third Party Services	FALSE	30%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	
DS4: Ensure Continuous Service	FALSE	35%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	
DS6: Ensure Systems Security	FALSE	90%	60%	75%	10%	0%	N/A	N/A	N/A	N/A	
DS8: Manage Service Desk and Incidents	FALSE	90%	75%	45%	0%	0%	N/A	N/A	N/A	N/A	
DS9: Manage the Configuration	FALSE	60%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	
DS11: Manage Data	FALSE	75%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	
ME2: Monitor and Evaluate Internal Control	FALSE	90%	25%	20%	0	0%	N/A	N/A	N/A	N/A	
ME3: Ensure Compliance with External Requirements	FALSE	90%	60%	70%	45%	0%	N/A	N/A	N/A	N/A	





## Consequence of Capability Gaps

Figure A.3—Consequence of Gaps at Various Capability Levels

Capability level where gap occurs	Nature of consequence	Seriousness of Consequence
5 – Optimizing process	inability to achieve or evaluate process improvements	
4 – Predictable process	inability to quantify performance or detect problems early	
3 – Established process	inconsistent process performance across organization	
2 – Managed process	cost or time overruns; unpredictable product quality	
1 – Performed process	missing work products; process outcomes Not achieved	

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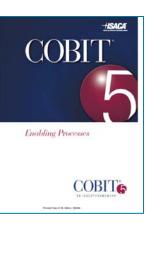
## Risk from Capability Gaps

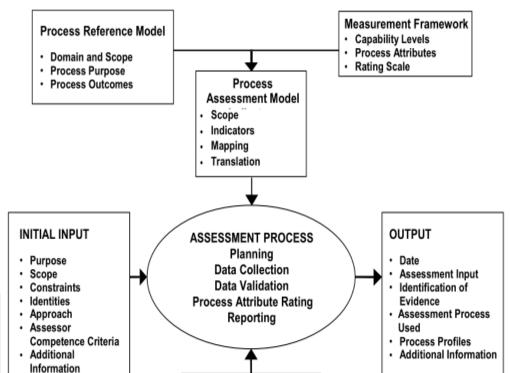
Figure A.4—Risk Associated With Each Capability Level

	Probability indicated by extent of capability level gap							
Consequence indicated by capability level where gap occurs	Slight Significant Substantia							
5 – Optimizing process	Low Risk	Low Risk	Low Risk					
4 – Predictable process	Low Risk	Low Risk	Medium Risk					
3 – Established process	Low Risk	Medium Risk	Medium Risk					
2 – Managed process	Medium Risk	Medium Risk	High Risk					
1 – Performed process	Medium Risk	High Risk	High Risk					

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## Summary



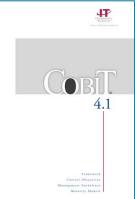


Roles and Responsibilities

Competent Assessor
 Assessors

Sponsor





Process Capability Level (based on attributes) =>	Capability Level 0: Incomplete	Capability Level 1: Performed	el 1: Level 2: Level 3:		vel 3:	Capability Level 4: Predictable		Capability Level 5: Optimizing		
	False if Process		. ,	Work	Definition					
	Capability is Level 1 or	Process Performance	Performance management			l	Measurement	Control	Innovation	Optimization
Processes Assessed	Better	(PA 1.1)	(PA2.1)	(PA2.2)	(PA3.1)	(PA3.2)	(PA4.1)	(PA4.2)	(PA5.1)	(PAS.2)
DS1: Define and Manage Service Levels	FALSE	45%	66	0%	0%	66	N/A	N/A	N/A	N/A
DS2: Manage Third Party Services	FALSE	30%	65	65	65	65	N/A	N/A	N/A	N/A
DS4: Ensure Continuous Service	FALSE	35%	0%	66	65	65	N/A	N/A	N/A	N/A
DS6: Ensure Systems Security	FALSE	90%	60%	75%	10%	65	N/A	N/A	N/A	N/A
DS8: Manage Service Desk and Incidents	FALSE	90%	75%	45%	65	65	N/A	N/A	N/A	N/A
DS9: Manage the Configuration	FALSE	60%	0%	0%	0%	65	N/A	N/A	N/A	N/A
DS11: Manage Data	FALSE	75%	0%	06	86	66	N/A	N/A	N/A	N/A
ME2: Monitor and Evaluate Internal Control	FALSE	90%	25%	20%	0	66	N/A	N/A	N/A	N/A
ME3: Ensure Compliance with External Requirements	FALSE	90%	60%	70%	45%	0%	N/A	N/A	N/A	N/A



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