RSA Conference 2015 Singapore | 22-24 July | Marina Bay Sands

SESSION ID: GRM-R01

Compliance Goal: Implementing Segregation Of Duties In An Organization



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Why Segregation of Duties

- Compliance with the national laws requiring correctness of the financial information and financial reporting
- Business requirements on integrity of business information



The story starts with...

- Identified misuse
- Findings from an external auditor
- Findings from an internal auditor
- Push from an enlightened leader

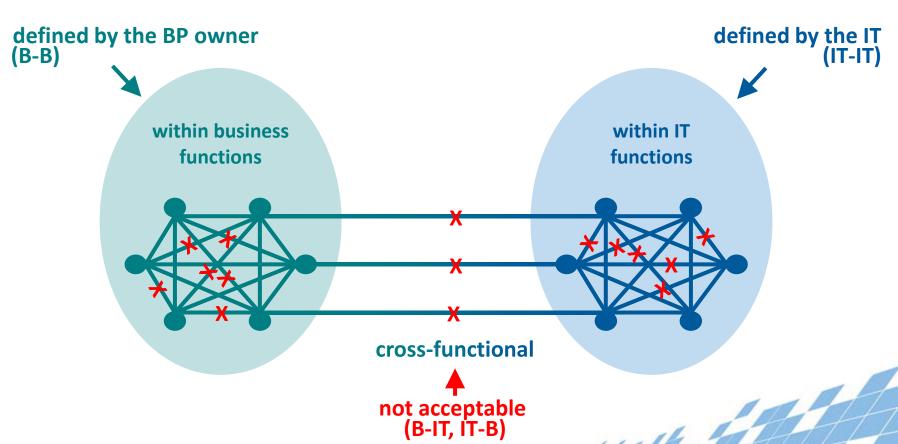


Challenges

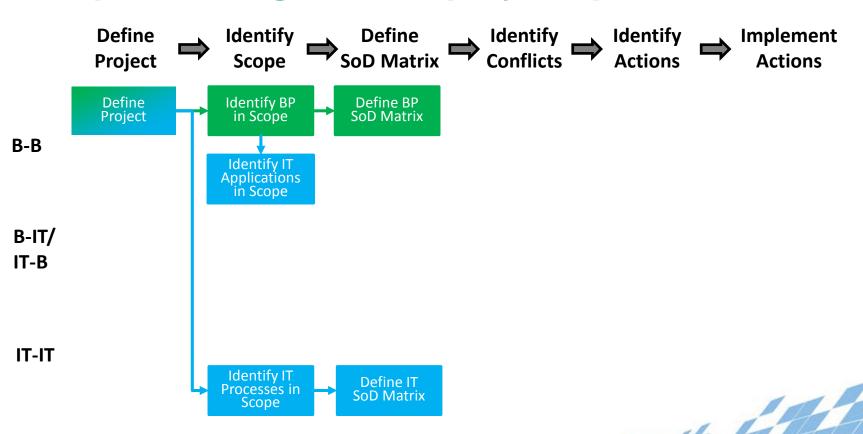
- ◆ Challenge 1: To make Business Process Owners responsible for segregating business functions (e.g., transactions, invoicing)
- ◆ Challenge 2: To convince IT management that uncontrolled access of IT users to the business data is a bad idea
- Challenge 3: To take the toy out of the Business Process Owners' hands (shadow IT)
- ◆ Challenge 4: To make it clear that IT functions (e.g., access control) are no exception from segregation of duties



Areas of concern



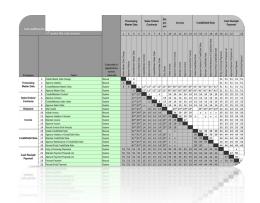


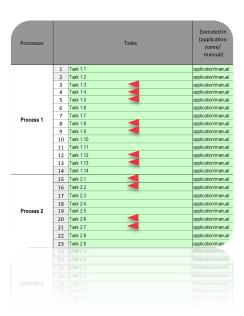




Exercise: Define a B-B SoD Matrix

- Document the process, its sub-processes and tasks
- Identify SoD-relevant tasks ◀
- Create the SoD matrix



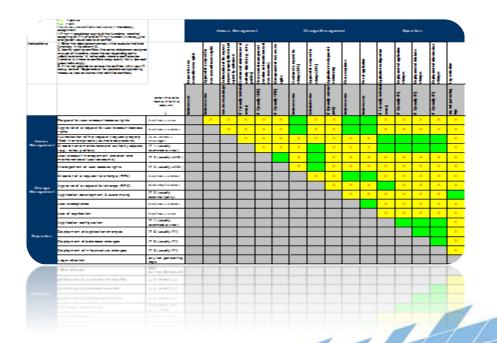




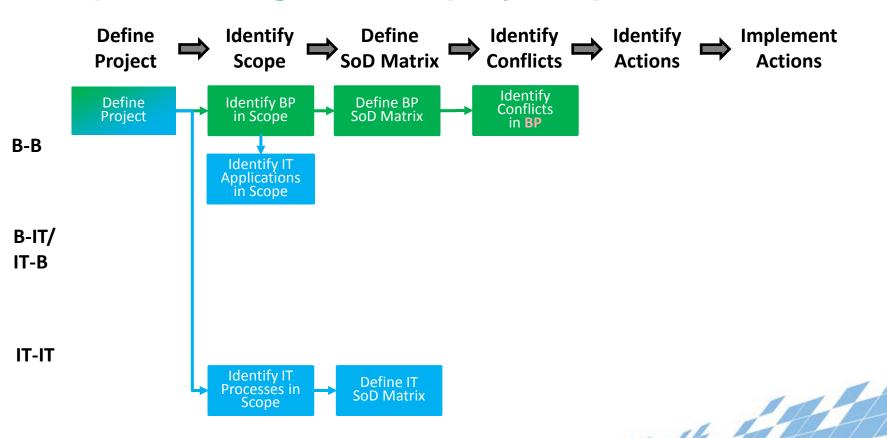
Exercise: Define an IT SoD Matrix

Areas of responsibility:

- Change Management
- Access Management
- Operation



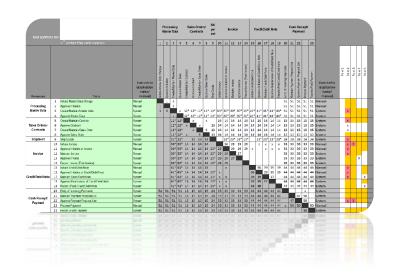




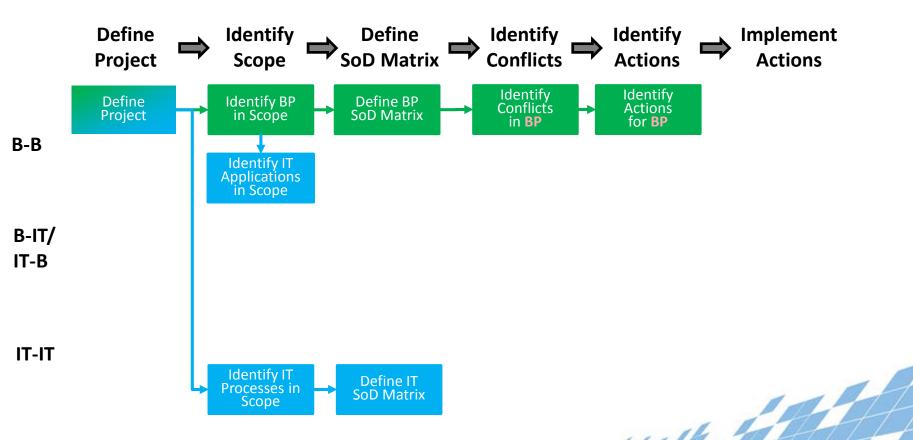


Exercise: Identify conflicts

- Identify business roles
- Document which SoDrelevant tasks each of the roles executes
- 3. Verify whether any of the roles currently violates defined SoD rules







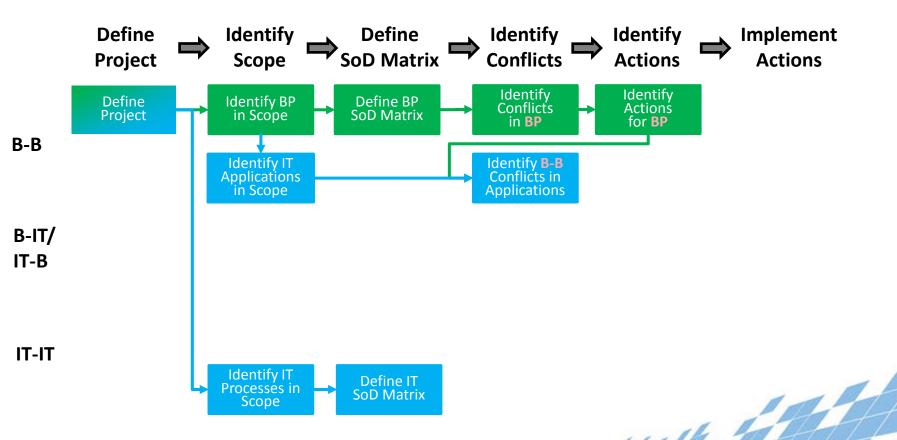


Exercise: Identify Actions

For each of the identified conflicts, an action **has** to be defined and documented:

- Immediate removal of the conflict
- Immediate setup of administrative measures to minimize the risk
- Implementation plan for removal of the conflict or for setup of administrative measures to minimize the risk
- Formal risk acceptance by the Business Process Owner (might not be possible for some risks)





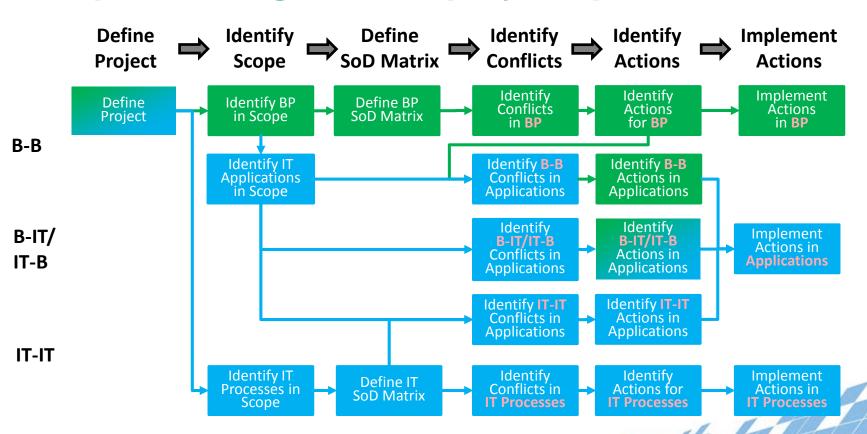


Exercise: Mapping the SoD Matrix to IT

- Identify which applications and application functions support the tasks
- Extract which user IDs use the identified functions
- 3. Identify SoD conflicts

Pro	ocesses		Tasks	Executed in (application name/ manual)	Business Roles	Role 1	Role 2	Role 3	Role 4	Role 5	Role 6	Role 7		Functions supporting the task	Users	UID 1	UID 2	UID 3	UID 4	
	Process 1	3	Task 1.3	application/manual		X														
		4	Task 1.4	application/manual					X		X								\blacksquare	
		5	Task 1.5	application/manual		X					X									
Pro		8	Task 1.8	application/manual				X												
		9	Task 1.9	application/manual							x									
		12	Task 1.12	application/manual				х												
		13	Task 1.13	application/manual					Х											
	Process 2	15	Task 2.1	application/manual			х													
		16	Task 2.2	application/manual						х		х								
Pro		20	Task 2.6	application/manual		Х				х										
		21	Task 2.7	application/manual								х								1
	Process 2	21	Task 2.7	application/manual								Х				1	E.		A	1
		20	Task 2.6	application/manual		X	4			Х				14	1	1	3	0	A	
Pri							4			Х		Х	1	1/11/1/		1		0	AND	
													1	111-111-11		Service Services	1	1		-







Lessons Learned: Good Approach

- 1. Small, transparent, understandable steps
- 2. Documentation of processes where not yet done
- 3. Improvement of business processes
- 4. Segregation of duties for both manual and IT-supported tasks
- 5. Segregation of duties across applications
- 6. Compliance



Lessons Learned: The Hard Part

- 1. Be ready to deal with legacy applications
- 2. Compliance of shadow IT is expensive
- 3. When business units do not want to give up the access management functions
- 4. Sustainability or Consider a tool to keep the status clean



Apply in Your Organization

- Next week you should:
 - Verify how you handle integrity of your financial data and whether Segregation of Duties has been consistently applied
 - Consider whether there are any further (business-related) reasons for SoD
- In the first three months you should:
 - If there is no consistent approach for SoD, initiate a discussion with the senior management
- Within six months you should:
 - Set up an SoD project
 - Remember: Implementation of SoD takes longer than it might appear



Questions

