

Business Impact Analysis

March 25, 2021

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Business Impact Analysis

April 8, 2021

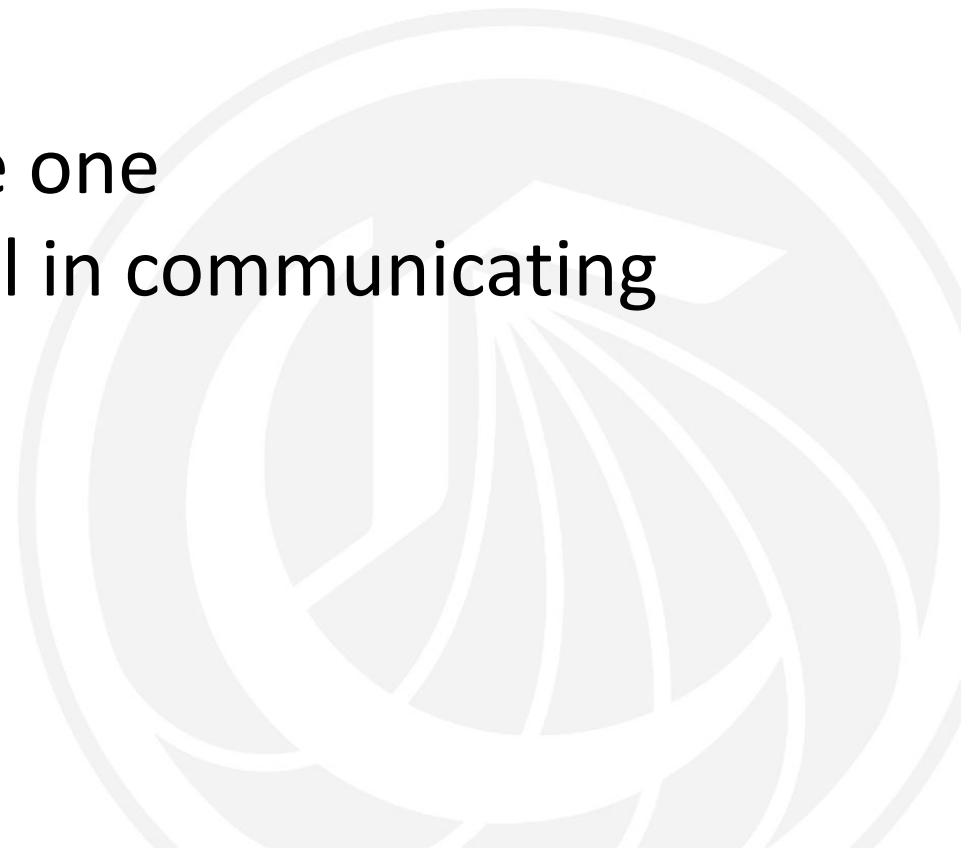
Agenda

- Definition
- How to perform a BIA
- Examples and Process
- BIA vs Risk Assessment?
- Q&A



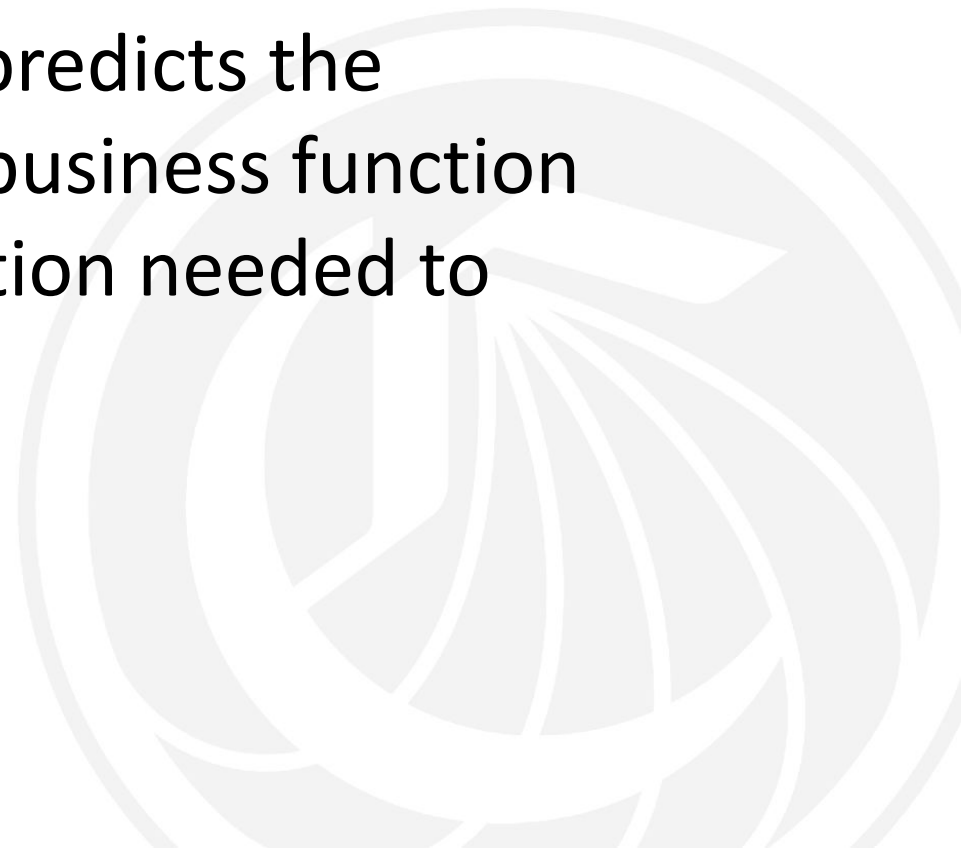
Goal

- Understand what a BIA is
- Give you the tools to complete one
- Understand how a BIA is useful in communicating to management



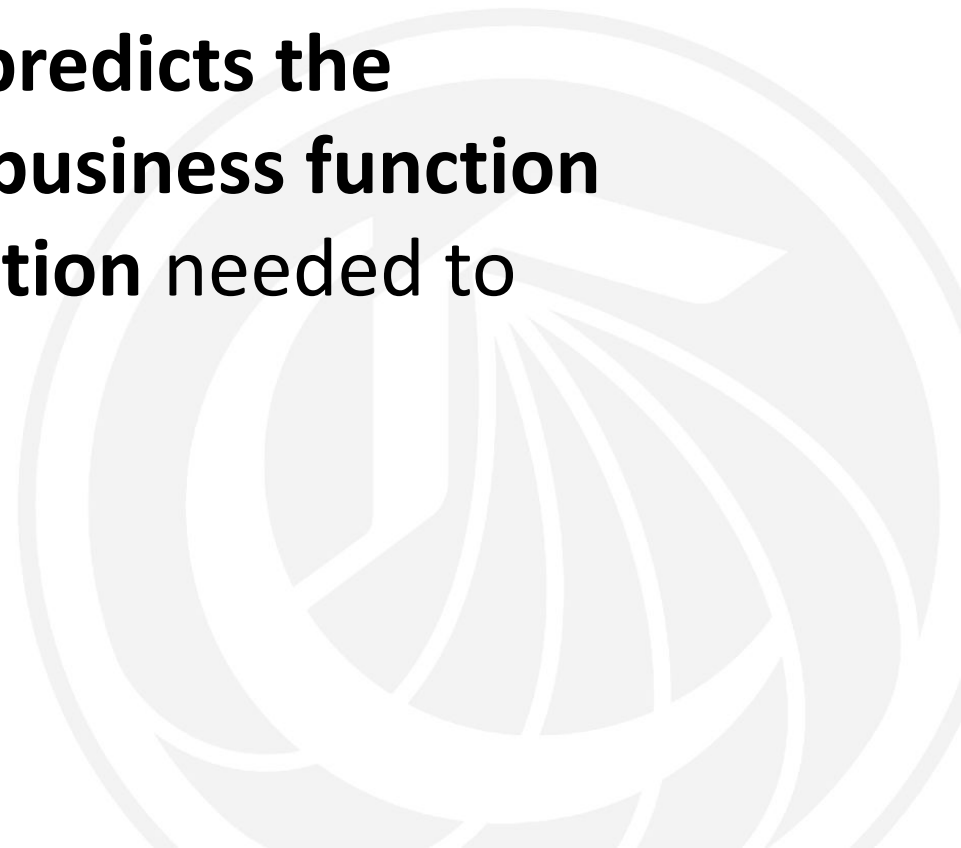
Business Impact Analysis

A business impact analysis (BIA) predicts the consequences of disruption of a business function and process and gathers information needed to develop recovery strategies.



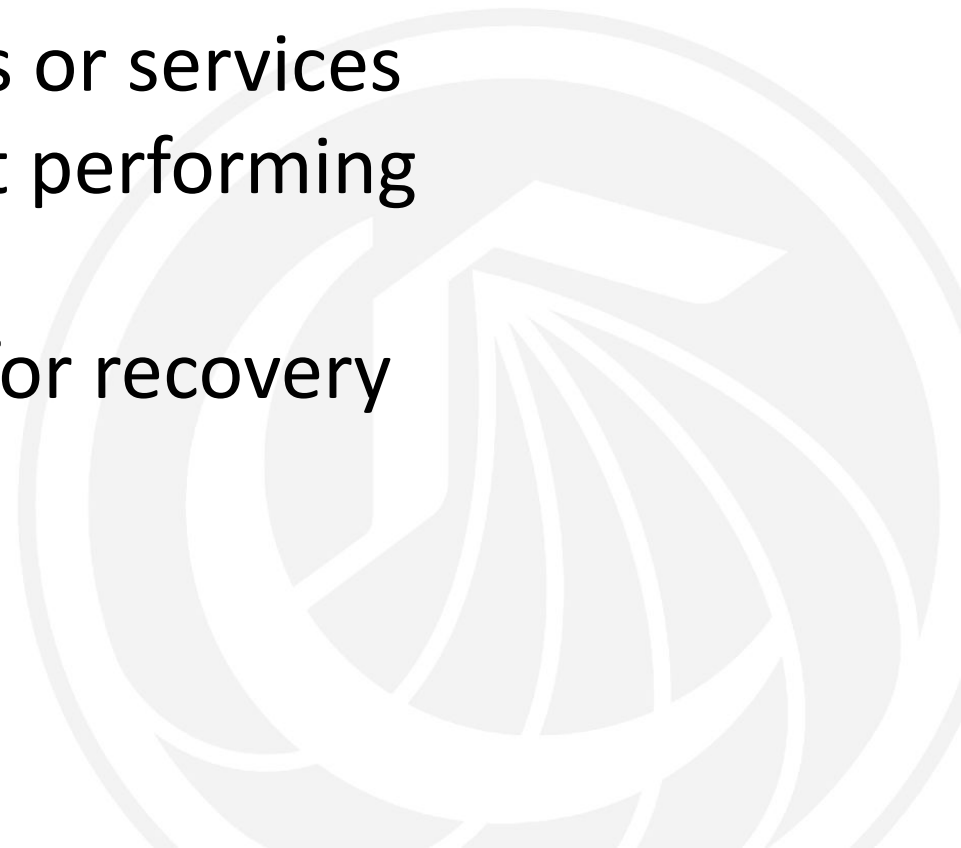
Business Impact Analysis

A business impact analysis (BIA) **predicts the consequences** of disruption of a **business function and process** and **gathers information** needed to **develop recovery strategies**.



Why do a BIA?

- Identify most critical processes or services
- Assess impact over time of not performing processes or services
- Set priorities and timeframes for recovery
- Identifying dependencies



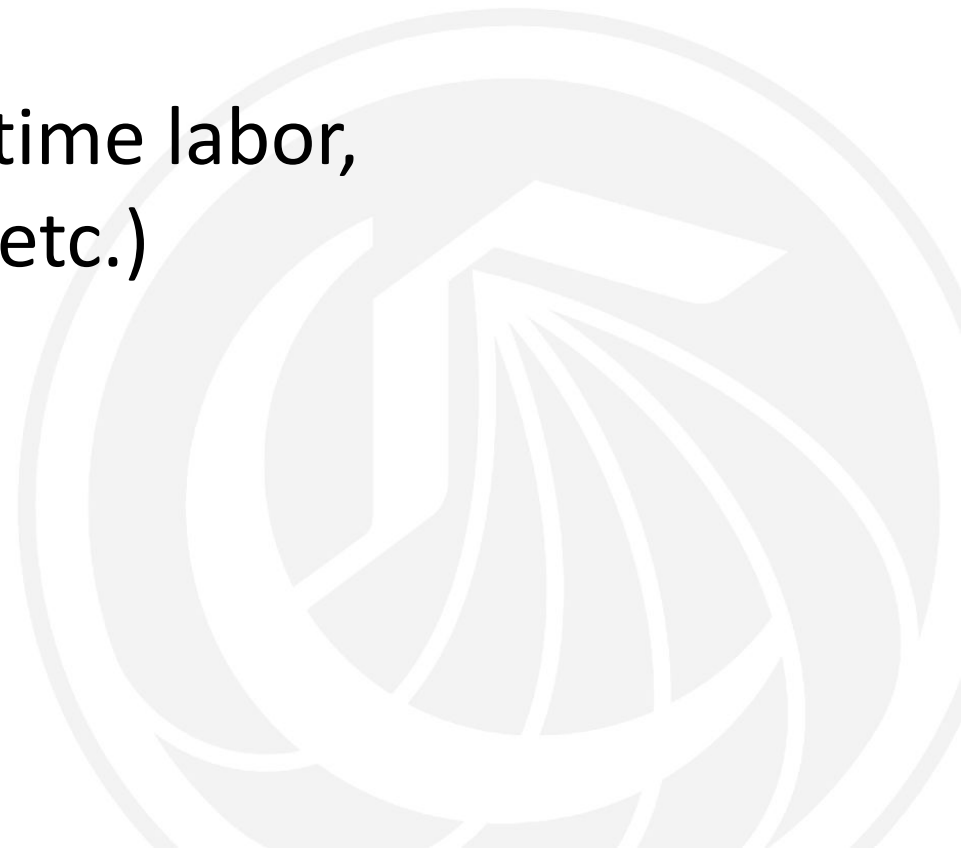
Critical processes

- The processes needed to perform the business of the organization
- Try not to focus on technology



Type of Impacts

- Lost operations time
- Delayed revenue
- Increased expenses (e.g., overtime labor, outsourcing, expediting costs, etc.)
- Regulatory fines
- Contractual penalties
- Dissatisfaction or defection
- Delay of new business plans



Timeframe

- How long can the process be disrupted before the impact occurs?
- How much of that impact can we tolerate?



Recovery Time Objective (RTO)

The point in time when a function or process must be recovered, before unacceptable consequences could occur



Recovery Point Objective (RPO)

The maximum acceptable amount of data loss measured in time.



Does it matter when?



Worst Case Scenario

- Worst possible time
- Worst possible impact
- Worst possible fines



Gathering the Data

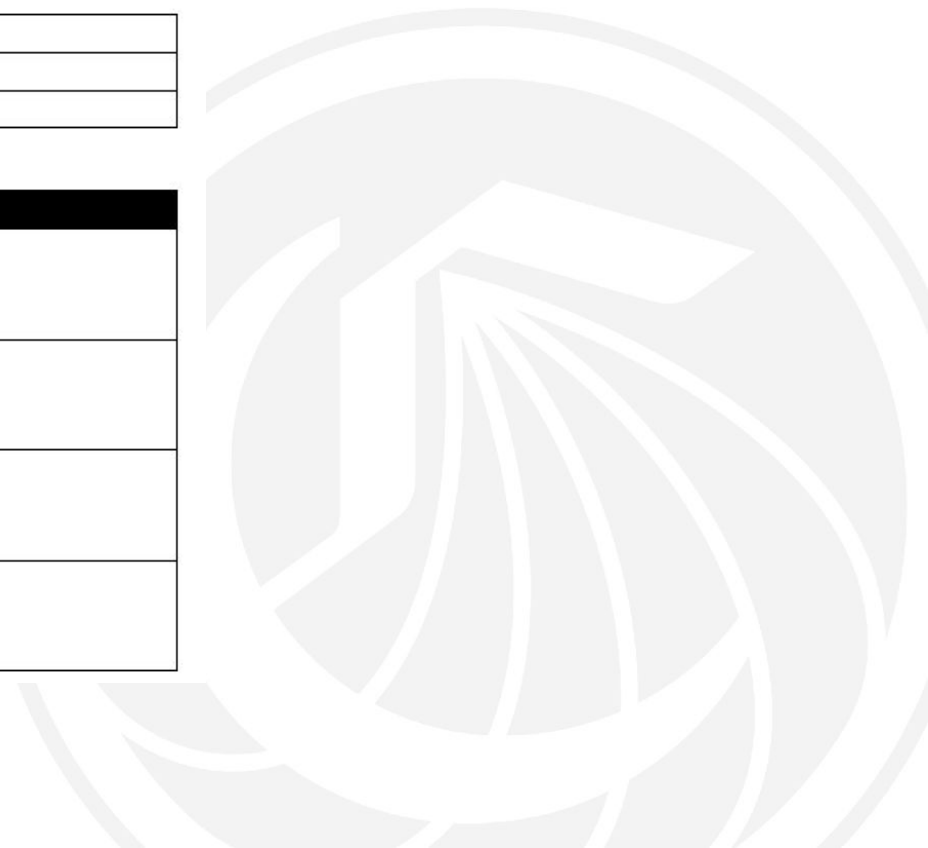


Gathering the Data

Business Impact Analysis Worksheet

Solution Name:	
Solution Function:	
Solution Owner:	

Item	Description
Solution description:	
Key roles for this solution:	
Key vendors for the solution:	
Key facilities for the solution:	



Collecting the Data

Process Name	Tolerable Downtime	Tolerable Data Loss	Impact	Upstream process dependencies	Downstream process dependencies	Technology Dependencies
Send & Receive Email	1 hour	0 min	HIGH		Monthly reporting, downtime alerts	MS Exchange, Active Directory, Internet connection



NIST 800-34 Worksheet



Creating Priorities

Priority	Solution Name	RTO- Reported	RTO- Actual	RPO- Reported	RPO- Actual	Upstream dependencies	Downstream dependencies	Findings
	Active Directory	15 min	1 hour	24 hours	1 hour		MS Exchange	1 hour recovery time insufficient. Explore Azure AD.
	Internet Connection	15 min	0 min	0 hours	0 hours	Vendors	MS Exchange, Active Directory	
	MS Exchange	1 hour	1 day	0 hours	1 day	Active Directory, Internet Connection		1 day recovery is BAD! Explore O365.

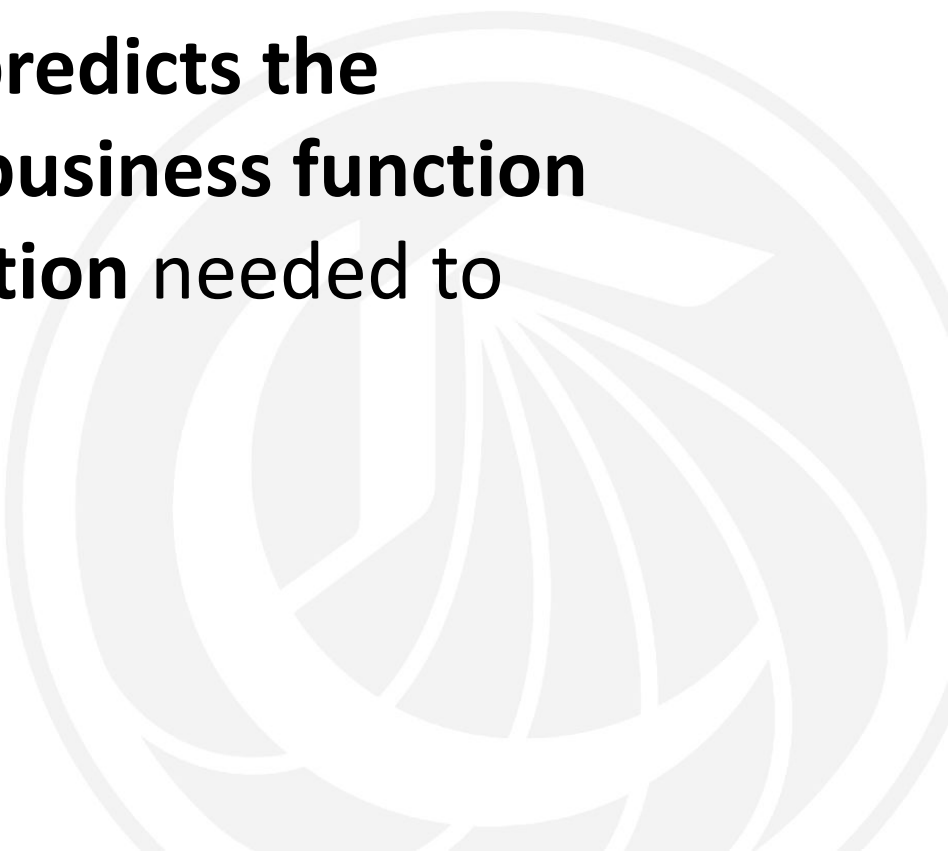


Risk?



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risk noun

\ 'risk  \



Definition of *risk*

1 : possibility of loss or injury : PERIL

“The ***potential*** that a given threat will exploit vulnerabilities of an asset or group of assets and thereby ***cause harm*** to the organization.”

BIA vs Risk Assessment

Risk Assessment

- Identify threats, assets, & vulnerabilities
- Determine likelihood, impact
- Determine controls and counter measures

Business Impact Analysis

- Identify critical business functions & processes
- Classify data and resources
- Determine RTO, RPO
- Determine recovery priority for BCP/DRP

BIA vs Risk Assessment

Risk Assessment

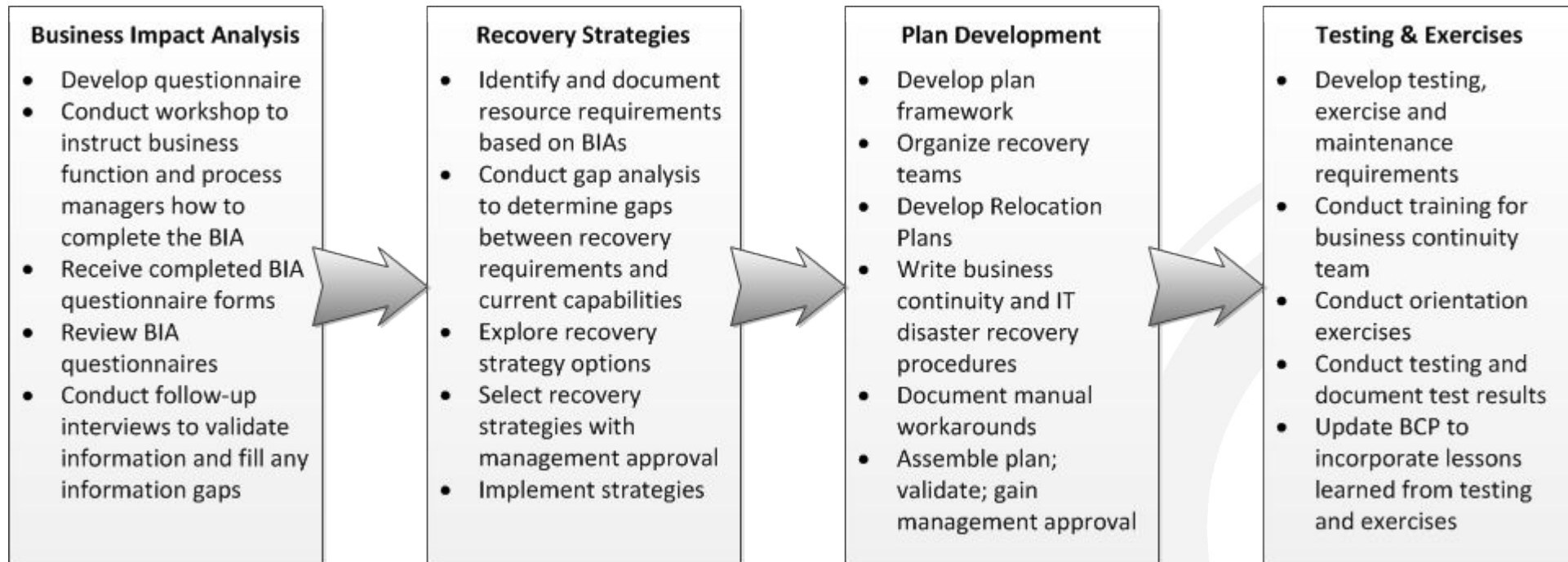
- What are the bad things that can happen?
- How much would they hurt?
- What am I doing to prevent them?

Business Impact Analysis

- What are my critical business functions?
- How long can I be without them?
- In what order do I restore them?



Business Continuity Planning



Questions?

