

STRATEGIES FOR MANAGING RISK...

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2020 Project Management Symposium

About me & S3 Technologies

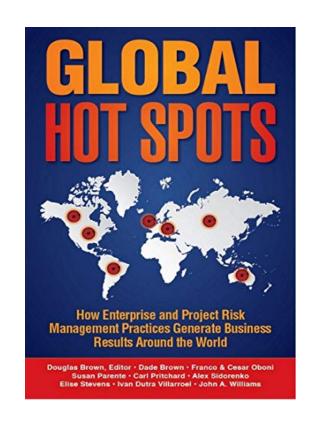
- Consultant, Trainer, Author, Professor
 - Associate Professor, Post University MBA Program: Project Management
 - > Adjunct Professor, Montclair State University MBA Program: Risk Management
 - > Instructor, University of Virginia SCPS Proj. Mgmt. Certificate: Agile Project Mgmt.
- 12 years: instructor & consultant of proj. mgmt. best practices
- 10 years: developing/ instructing PMI certification preparation classes and other proj. mgmt. curriculum
- 25+ years in engineering and software development industries



About me...

 Interested in learning more about Risk Management..?

 My co-authors include notable risk mgmt. colleagues of mine from around the globe!



Douglas Brown, Editor · Dade Brown · Franco & Cesar Oboni Susan Parente · Carl Pritchard · Alex Sidorenko Elise Stevens · Ivan Dutra Villarroel · John A. Williams



Expected Outcomes

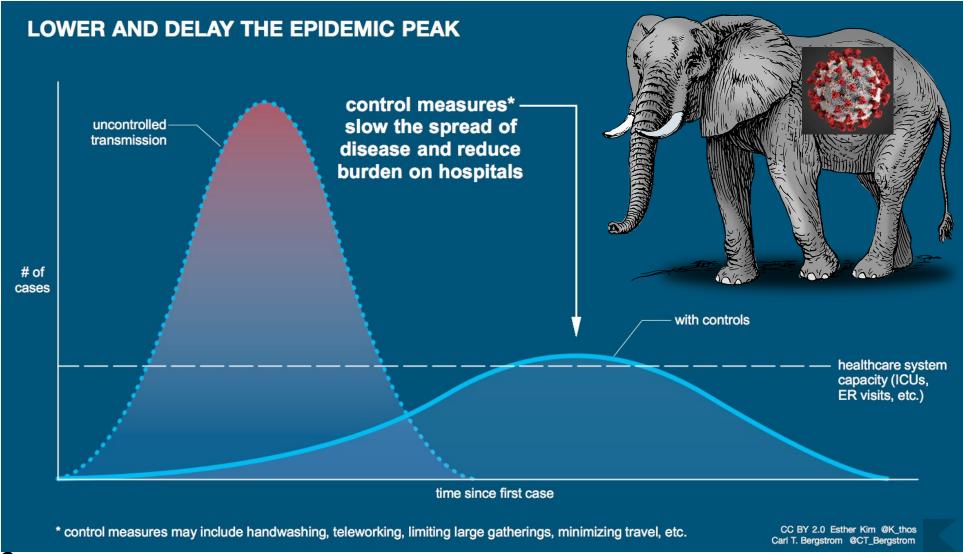
- Tools for risk response planning
- Facility with Risk Response Planning
- Appreciation for the value of effective risk response planning

◆ A new relationship with Risk as an opportunity!



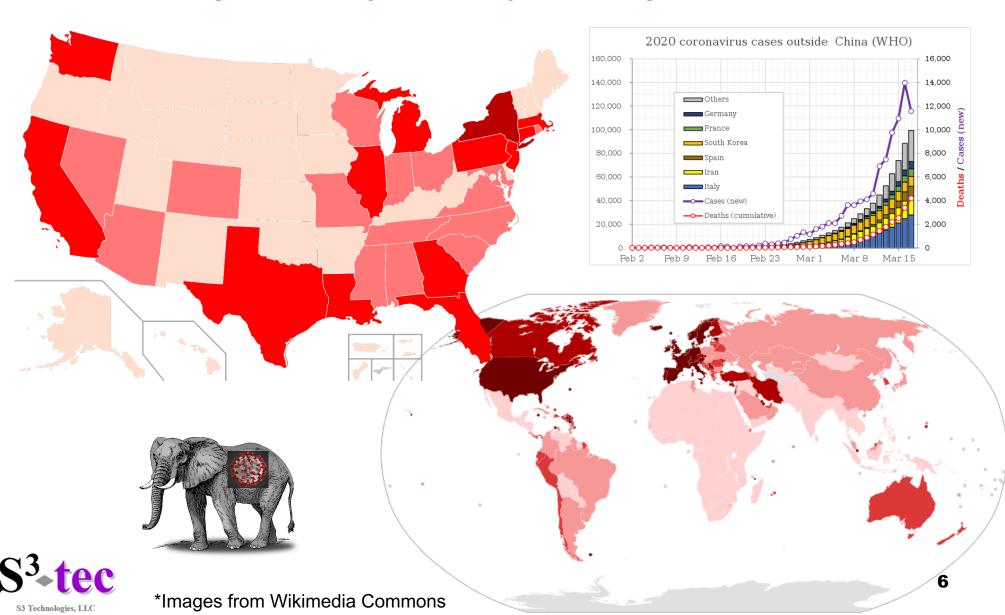
The Elephant in the Room...

Yes, this is Quantitative Risk Analysis.... And yes, now everyone is talking about risk.



The Elephant in the Room...

This is Issue Management.... And yes, now everyone is talking about it as a risk.



◆ Risk is uncertainty...





◆ Risk is uncertainty...

https://www.youtube.com/watch?v=xigLVqPqaHI





"Thank goodness for helmets..."

Thank goodness for risk management!



- Strategies for Managing Risk...
 - > Helmet?

 - Backups?
 - Engineering/ Design (Breakaways, etc.)
 - > Flight check
 - Calls/ communication
 - Certification



◆ Risk is uncertainty...

https://www.youtube.com/watch?v=hgof A1Wv5s





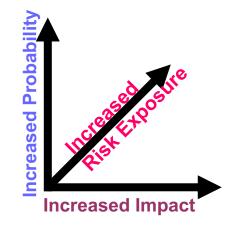
Risk Defined



- A Risk is an uncertain event or condition, that if it occurs, has a positive or negative effect on at least one objective
- Probability + Impact = Risk Exposure

Probability:

The Likelihood of Occurrence
That an Objective Will Not Be Met Using the Current Plan



Impact:

The Consequence of Occurrence
Penalty Incurred If the Objective Is Not Obtained

- ◆ Risk vs. Issue
 - A Risk is an event that may occur in the future
 - A Problem or Issue is something that has already occurred and you are dealing with now



Strategies for Managing Risk

If You Haven't Identified Your Risks,

You're Already Taking Them.



Strategies for Managing Risk



Why manage risk?



Project Constraints

Fundamentally, only 2 of the 3 aspects of the triad can be selected. The 3rd is then determined by the aspects which are selected.





Why Manage Risk?

- Identify potential problems
 - Efficiently manage project resources
 - > Reduce threats
 - Increase opportunities
 - Structured and systematic review of Project
 - Decision Making
 - > Process for system improvements
 - Project Communication



When do we Manage Risk?

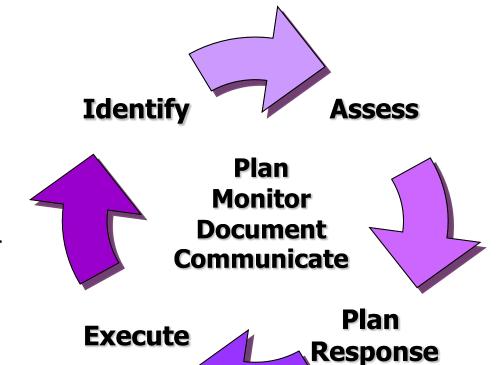
Develop a Risk Management Plan:

- ✓ Define Risk
- ✓ Define Your Risk Tolerance
- Detail your Risk Policy
- Establish Risk Management Process
- ✓ Define Roles
- Plan Process Implementation
- ✓ Baseline Risk
- Develop Risk Documentation/ Templates



How do we Manage Risk?

- Identification
 - Discovery of a potential risk
- Assessment
 - Review, analysis, and prioritization
- ♦ Response Planning
 - To mitigate, avoid, transfer or assume assessed risks
- Execution
 - Of response strategies, as determined in response planning



- Planning, Monitoring, Documentation and Communication
 - Foundations of the RMP, essential to all phases
 - Part of continuous process improvement for the RMP



How do we Manage Risk?

◆ Tools & Techniques:

- Risk Response Strategies (for threats and opportunities)
- Contingency Response Strategies
- Expert Judgment

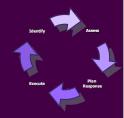
Outputs:

- Risk Register Updates
- Contract Decisions (risk related)
- Project Management Plan Updates
- Project Document Updates

^{*} Off Peak Training, (2007-2012) PMI-RMP Exam Preparation Course Guide. Published by Off Peak Training, Reston, VA.



Response Planning

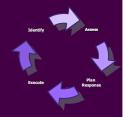


Risk Response Strategies (for Threat Risks):

- Mitigate: Pre-Event actions to reduce the probability or impact of a risk
- ◆ Avoid: Eliminate the risk producing activity entirely by choosing an alternate approach.
- ◆ Transfer: Take actions that redistribute risk to another area. (This does not relieve the responsibility of tracking and closing the risk)
- ◆ Accept: Accept the risk as stated with no other action.



Response Planning



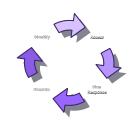
Risk Response Strategies (for Opportunity Risks):

- Enhance: Pre-Event actions to increase the probability or impact of a risk
- ◆ Exploit: Drive the risk event to occur by changing its probability to 100%, or as close as possible.
- ♦ Share: Share risk ownership with an individual or group to influence the opportunity occurrence.
- ◆ Accept: Accept the risk as stated with no other action.



Risk Planning, Monitoring, Documentation & Communication

- Monitor, Track and Communicate Risk
 - Track the progress of mitigating the risk.
 - Communicate this information to management and internal and external stakeholders.
- Integration of Risk Management with Cost and Schedule Processes





Summary

- ✓ Risk Management is an organized, systematic decision-making process that efficiently plans, assesses, handles, monitors, and documents risk to increase the likelihood of achieving project goals and decrease the likelihood that a risk would become a future problem
- ✓ Consider all possible response strategies
- ✓ Document, Reassess & Monitor Risks
- ✓ Create a Culture of Risk Awareness...

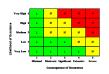
Risk Awareness starts with me!



Busting Barriers to Implementing RM

For discussion and resources on Risk Management...

Please join me on Linked in.



Risk Management Implementation Group

http://www.linkedin.com/groups?mostPopular=&gid=3442533



Agile Risk Management Group

http://www.linkedin.com/groups?gid=4020498&trk=myg_ugrp_ovr

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Additional Information

Sample Risk Register:

<Project> Risk Register- Threats

Last Update: <date>

Priority (Rank	Probability	Impact	Exposure (Prob x	Risk	Risk Type	Status	Owner	POC	Risk Statement
Order)			Impact)	ID#					
	Very Low,	Minimal,	(see key) Ex:	1	Technical, Cost,			First and Last Name	Risk defined in "if then" statement.
	Low, Med,	Moderate,	HIGH		Schedule,				
	High, Very	Significant,	4-5		Security				
	High	Extensive,							
		Severe							

Risk Triggers	Risk Strategies	Residual Risks or Secondary	Status Notes	Date Identified
		Risks		
	Mitigation, Avoidance, Transfer, Assume (include both short	Residual Risk is the risk	History of Risk Status	Date Risk was identified
	and long term)	remaining after employing the		
		response. Secondary Risks are a		
		direct result of the risk response.		

Additional Information

PMI-RMP® Certification



PMI-RMP® Certification

PMI Risk Management Professional (PMI-RMP)®

- * "PMI's Risk Management Professional (PMI-RMP)® credential is a response to project management's increasing growth, complexity and diversity. Globally recognized and demanded, the PMI-RMP® fills the need for a specialist role in project risk management."
- It recognizes your unique expertise and competency in assessing and identifying project risks, mitigating threats and capitalizing on opportunities, while still possessing a baseline knowledge and practical application in all areas of project management."



PMI-RMP® Certification

Who should apply:

- Risk management specialists and Project Risk Managers
- To increase your skills in project management
- To highlight your specialized expertise to employers

PMI-RMP Requirements:

◆ A 4 year degree (bachelor's or the global equivalent), with at least 3,000 hours of project RM experience and 30 hours of project RM education.

OR

◆ A secondary diploma (high school or the global equivalent) with at least 4,500 hours of project RM experience and 40 hours of project RM education.



PMI-RMP® Certification

How to Apply:

- ◆ Online at <u>www.pmi.org</u>
- More Info:
 - PMI-RMP Handbook
 - PMI-RMP Exam Preparation

Maintain Your PMI-RMP:

- ◆ Earn 30 PDUs/ 3 year cycle in project risk management
- ◆ Learn more at: http://www.pmi.org/en/Certification/PMI-Risk-Management-Professional-PMI-RMP.aspx

