

Agenda

- 1. What is Virtual Lunch & Learn
- 2. Your Expectations from this Webinar
- 3. Introduction Myself
- 4. Developing and Using Risk Contingency Reserve
 - a. Background/Overview of Risk Management
 - b. What is a Contingency Reserve?
 - c. Using Expected Monetary Value to calculate Contingency Reserve
 - d. Communicating the Contingency Reserve
 - e. Using the Contingency Reserve
- 5. Upcoming Learning Opportunities from RefineM
- 6. How to get 1 PDU for this Webinar?
- 7. Q & A



RefineM's Virtual Lunch & Learn

This is a monthly webinar delivered during the lunch hour in the first week (Wednesdays) of every month.

It's designed to help you learn while you eat lunch, providing a relaxed environment to enhance your experience.

The monthly webinars will cover a variety of Project Management/ Agile topics.



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Your Expectations

What are your expectations from this webinar?

Why are you here today?



NK Shrivastava, PMP, RMP, ACP

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Helping organizations turn their project management capability into a *competitive advantage*

- * CEO/Consultant since Dec 2011
 - * Agile Coaching/Adoption
 - * Project Management/ Process Improvement Consulting and Training
 - Project Management Toolkits (for PMs, Executives and Agile Practitioners)
- * Board Member SWMO PMI Chapter

My professional journey b/f RefineM



- * 20+ years of Successful Project Leadership
 - * Led 100s of projects of all sizes, successfully
 - * Recovered many projects, saved millions of \$
 - * Implemented numerous process improvements
 - Coached/mentored 100s of PMs, and some executives

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Developing and Using Risk Contingency Reserve



- Overview of Risk Management
- What is a Contingency Reserve?
- Using Expected Monetary Value (EMV) to calculate contingency reserve
- Communicating Contingency Reserve
- Using Contingency Reserve

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Project Risk Management

What is a Project Risk?

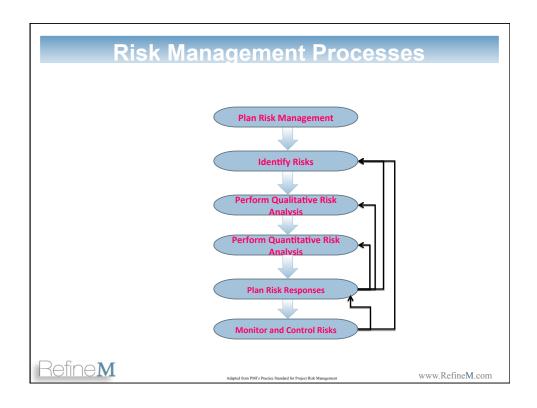
Project risk is an uncertain event or condition that, if it occurs, has a positive or a negative effect on a project's objectives.

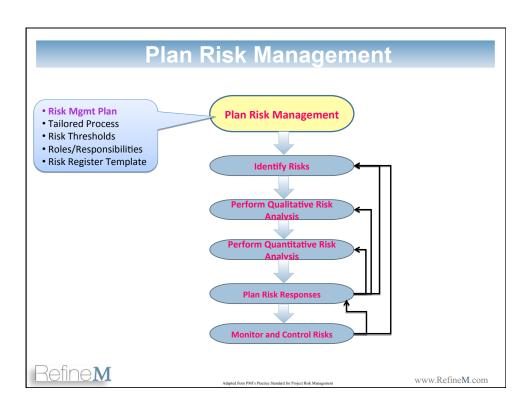
- From PMI's Practice Standard for Project Risk Management - Chapter 2, Page 9

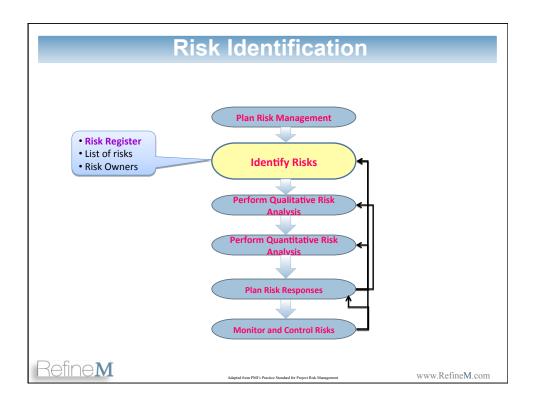


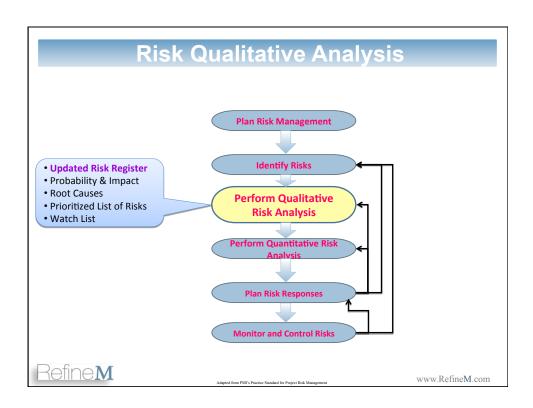
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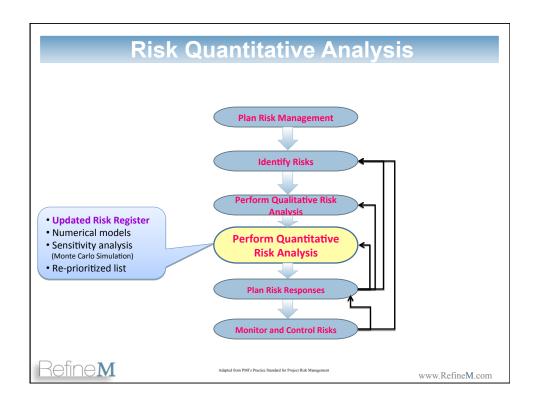
Risks Issues A event of future An event of past or present It has not occurred yet but there It has already occurred or are chances that it may occur occurring right now, there is no doubt whether it'll happen or not there is uncertainty no uncertainty The probability of occurrence Probability is 1 since it already can range from 0 to 1 but it is neither 0 or 1 (greater than 0 occurred but less than 1) The language to describe an The language to describe a risk issue uses present to past uses future tense A response plan is needed in Need a resolution plan with case risk event occurred action items to resolve an issue Risk Register is used for risks Issue log is used for issues Refine ${f M}$ www.RefineM.com

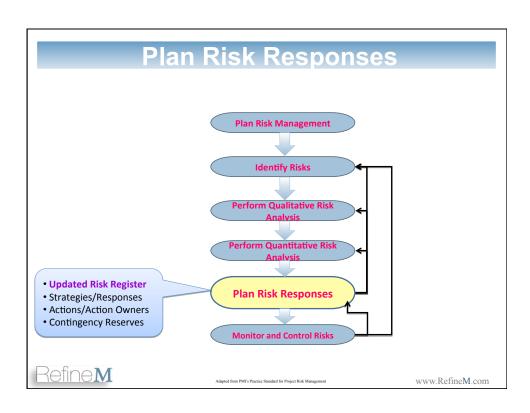


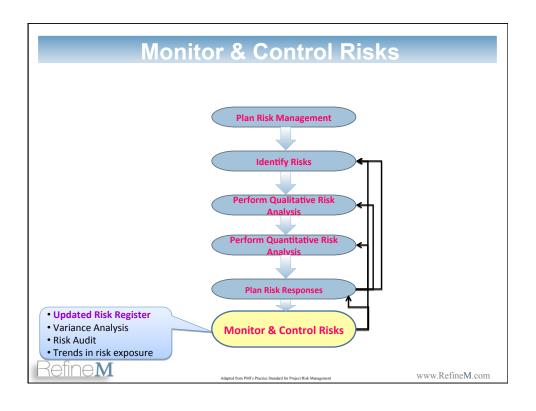


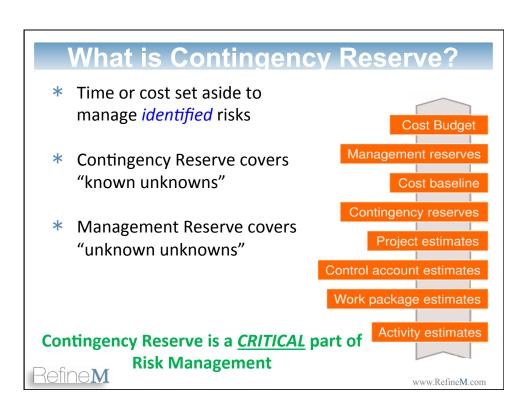












How is Contingency Reserve Useful?

- Communicating risks
- * Responding to risks
- * Making project outcome more predictable



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Developing Contingency Reserve

- * What is needed?
 - ✓ Risk Register
 - Quantitative Analysis Technique (such as Expected Monetary Value or EMV)



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Expected Monetary Value (EMV)

- * EMV of a Risk = Probability x Impact
 - ✓ Probability of the risk occurring (percentage)
 - ✓ Impact, if the risk occurred (time or cost measure)



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EMV Example #1

There is a 70 percent chance that computers needed for the project team will not be available on time, causing a delay of 5 days.

What is the EMV for this Risk?

EMV (probability x impact) = 0.7 x 5 days = **3.5 days**

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EMV Example #2

There is a 50 percent chance that a critical piece of equipment will fail during the project and will cost \$10,000 to replace.

What is the EMV of this Risk?

EMV (probability x impact) = 0.5 x \$10000 =\$5,000



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Develop Contingency Reserve - Examp Risk Description Event Probabili Impact Magnit Date (days) ude Performance issues due to redesign of batch (splitting into 4 concurrent jobs) are not handled before the cycle testing Server performance issues are not handled before the cycle Sep-10 10% М 10 L testing begins in September Unanticipated table changes occur after the coding has been Aug-10 completed in August 10% The testing environment chosen could interfere with other high Sep-10 М priority projects 10 Priority to implement non-rating mod may go up due to NJ coming up right after IOWA. Impact Analysis brings up something that we are not thinking of Jun-10 M 15 3.75 now (on both mainframe and PARIS sides), that may push the Coding may take longer than expected Finding too many differences between SBR and Mainframe Aug-10 M rating of a policy may push the dates for cycle testing and the Daily business functions could be interrupted for Production Anytime М Problems - taking the resources away from this project Other new product (MA Auto, NJ Auto, Company8, Chrome 45 31.5 Expansion) - Taking resources away from this project 11 System upgrades (Rating Engine 4.0, end of VB6...) may be 20% М 20 Jun-10 L pushed on us right in the middle of this project 11 Total Risk Magnitude for the Project 79.75 <u>Retine M</u> www.RefineM.com

Communicating Contingency Reserve

- * Schedule baseline = Estimated finish date + contingency reserve (time/schedule aspect)
 - Example: Estimated Finish date is in 10 weeks, with contingency reserve of 4 weeks. What is the schedule baseline?
 - Schedule Baseline is 14 weeks.

"No Later Than" date



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Communicating Contingency Reserve

- * Cost baseline = Estimated costs + contingency reserve
 - Example: Project budget is \$1,000,000, contingency reserve is \$250,000. What is the cost baseline?
 - Cost baseline is \$1,250,000.

"Not to Exceed" budget



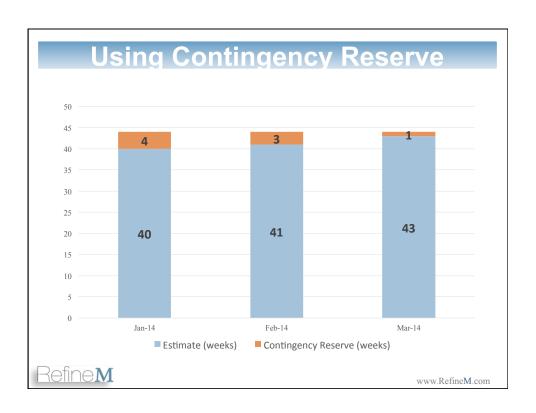
Using Contingency Reserve

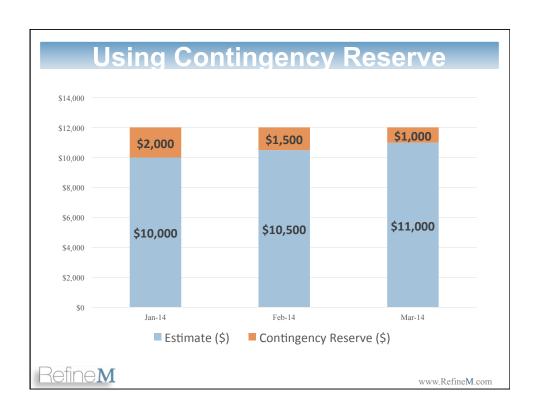
- * When risk occurs:
 - ✓ Actual impact is added to cost/schedule
 - ✓ Estimated budget/schedule is updated
 - ✓ Contingency reserve decreases
 - ✓ Baseline is NOT updated

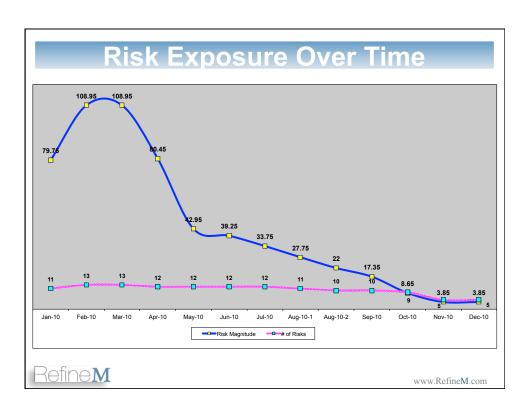
If risk does not occur, contingency not spent

Project finishes before time, under budget









		Risk Impact of				
D	0	Task Name	Duration	% Complet	Start	Finish
1		SBR for 1st State (IOWA) - with Risks	73.85 wks	37%	Mon 8/3/09	Wed 1/19/11
2	8-	Risk Reserve for Unmitigated Risks	39.25 days	0%	Fri 11/19/10	Wed 1/19/11
3	1	Project Tasks	66 wks	41%	Mon 8/3/09	Thu 11/18/10
4						
5	1	SBR in Production - 1st State (IOWA)	66 wks	55%	Mon 8/3/09	Thu 11/18/10
6	V	Identify the first state - IOWA	0 days	100%	Fri 11/6/09	Fri 11/6/09
7	~	Mainframe Tasks Group0	11.8 wks	100%	Wed 11/4/09	Mon 2/1/10
13						
14		Mainframe Tasks Group1	19 wks	99%	Mon 1/18/10	Fri 5/28/10
49						
50		Mainframe Tasks Group2	19.2 wks	75%	Mon 2/8/10	Tue 6/22/10
74						
75		Mainframe Tasks Group3	12.6 wks	67%	Wed 3/24/10	Mon 6/21/10
97						
98		Mainframe Tasks Group4	20.8 wks	59%	Fri 1/22/10	Thu 6/17/10
34						
35		Mainframe Tasks Group5	4.6 wks	15%	Mon 5/10/10	Thu 6/10/10
41	_					
42		PARIS/PC Tasks	39.8 wks	65%	Thu 10/15/09	Thu 7/29/10
67 68		0.000				T 01014
85		Rating Related Tasks	43 wks	61%	Mon 8/3/09	Tue 6/8/10
86	100	HSM for IOWA	0 wks	0%	Fri 8/6/10	Fri 8/6/10
87	100	HSM for IOWA	UWKS	U76	FII 6/0/ IU	FII 6/0/10
88	-	Testing	19.2 wks	0%	Wed 6/23/10	Fri 11/5/10
00	-	resurg	13.2 WKS	0.76	rreu orzar10	FILLIAM
01		Initial Implementation	15 wks	0%	Thu 8/5/10	Thu 11/18/10

Limitations of the Model

- * This Model is NOT as useful when:
 - ✓ Only few risks have been identified
 - ✓ All risks have high probability



Either of these could produce erroneous results



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Summary

- * Contingency reserve is:
 - Critical in risk management
 - ✓ Included in baselines (schedule and cost)
 - ✓ An effective communication tool for risks
 - A way to make project outcomes more predictable



Start using Contingency Reserve today! EMV is a simple way to get started

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More Learning Opportunities From RefineM

- * Risk Management for Projects On Jun 18, 2014 7 PDUs
 - √ 1-day class delivered in person, from 8:30am-4:30pm CT
 - ✓ Venue eFactory, 405 N Jefferson Ave, Springfield, MO, USA
- * PMP Exam Prep Course Starts Jul 11, 2014 36 Hrs/PDUs
 - ✓ Instructor led virtual course, 8 sessions (4 hours every Friday)
 - $\checkmark\,$ Includes a full length mock test, and tips & tricks to pass the exam
- * 8 Powerful PM Processes On Aug 13, 2014 7 PDUs
 - ✓ Learn more about simple processes to achieve high-level project results
 - ✓ Venue eFactory, 405 N Jefferson Ave, Springfield, MO, USA

We also offer customized trainings, On-site & Virtual Topics include Agile, Project Management, Strategy, Leadership, Process Improvement, and PMI Certifications.



More info at http://refinem.com/trainings/

June Lunch and Learn

- * Passing the PMP Exam on Your First Attempt
 - ✓ What does it take to pass on the first try?
 - ✓ Study Plan
 - ✓ Test Preparation
 - ✓ Pitfalls and Best Practices
- * Wednesday, June 4, 12:00-1:00 PM CST

Register Today - Don't wait for the last Minute



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How to Claim 1 PDU for this Webinar?

- * PDU Category B, Continuing Education
- * Program Title Webinar on "Developing and Using Risk Contingency Reserve"
- * Date Started Today's date
- * Date Completed Today's date
- * Hours Completed 1.00
- * Provider
 - ✓ Name RefineM
 - ✓ Phone # 417-414-9886
 - ✓ Email nks@refinem.com
- * PDUs Claimed 1.00



