



Education

PMI Project Management & Network Storage Implementations: Leveraging Best Practices in Both Worlds

Rick Bauer, Technology & Education Director
SNIA

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- This presentation will outline core methodologies from the Project Management Institute (PMI™) in the Project Management Institute Body of Knowledge (version 4), and how they apply to storage networking and general IT projects. Close examination of real-world projects including a SAN implementation, a data center move, and a proof-of-concept testing process will be examined in great detail. The strengths and weaknesses of managing large storage projects via PMI™ will be detailed, and the presentation will conclude with an exploration of ways that PMI and end users can collaborate further.
- **Learning Objectives**
 - ◆ Understand the Project Management methodologies and programs of PMI™
 - ◆ Understanding the project management process as delineated by the Project Management Institute, particularly the improvements and upgrades made in the latest version (4) of the Project Management Body of Knowledge (PMBOK4)
 - ◆ To examine in detail, with appropriate documentation, several examples of PMI™-based projects that are in the networked storage domain.
 - ◆ To explore opportunities for the PMI™ and SNIA (particularly its end user constituencies) can collaborate further to increase professionalism and success in the storage networking and project management disciplines.

Presentation Outline

- About PMI and PMP Credentials
- About the PMI 4 v. PMP 3 /Credential
- Pop Quiz: Understanding Projects the “PMI Way”
- PMP approaches to storage networking projects
- Change Management v. Project Management: ITIL & PMI
- When it Works: Examples of PMP approaches to storage networking projects
- Tools & Methodologies
- Reasons Storage Project Fail/Checklist for Successful Projects
- Means of Further Collaboration between SNIA & PMI
- Resources

Why Project Management?

“We have IT and storage managers. Sometimes they run projects. What’s so special about ‘project management?’ ”



Why PMI?

- Currently, there are approximately 18 million people who are working worldwide in the project management profession. According to statistics, only 32%* of projects worldwide are succeeding in achieving budget, schedule, and quality objectives of the project. The same statistics shows that there is a 75% success rate for projects that employ modern project management concepts, tools & techniques. Based on these statistics, it makes sense for organizations/companies to employ modern project management concepts tools and techniques in their organization. This is an important reason why organizations are hiring or prefer to hire certified PMPs today.



> *Source: Standish Group Report – Chaos Summary 2009

➤ New techniques from:

- ◆ Operations research
- ◆ Cold War defense projects
- ◆ 1960s space race

➤ Information technology both *served* project management...

- ◆ Software for critical path & network analysis, PERT, etc.

➤ And *drove* project management

- ◆ As IT transformed business, it became a major field for project management itself



Task Name	Aug 13, '06	Aug 20, '06
0 - PMI Process		
1 Read this note to understand the context and numbers (n.n.)		
2 Process Groups and Knowledge Areas		
3 - Initiation Processes		
4 - Review Inputs to Initiation		
5 Review Contract		
6 Review Project Statement of Work		
7 Review Enterprise Environmental Factors		
8 Review Organizational Process Assets		
9 - Produce Outputs from Initiation		
10 Develop Project Charter (3.2.1.1)		
11 Develop Preliminary Project Scope Statement (3.2.1.2)		
12 Initiation Processes COMPLETE		
13 - Planning Processes (3.2.2.1)		
14 - Scope Management Processes		
15 Perform Scope Planning (3.2.2.2)		
16 Complete Scope Definition (3.2.2.3)		
17 Create WBS to level of Work Packages (3.2.2.4)		
18 - Activity Planning		
19 Define Activities (3.2.2.5)		
20 Determine Activity Sequence (3.2.2.6)		

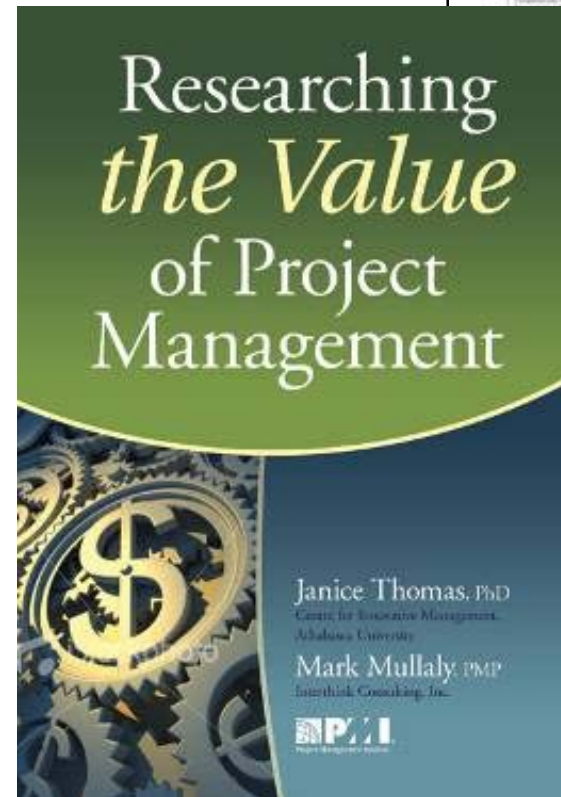


- **Global Not-for-Profit Professional Association**
 - ◆ 500,000 members and credential holders in 171 countries
- **Global Standards**
 - ◆ IT standards provide a common framework and language for projects across industries and regions
- **Credentials**
 - ◆ 5 specialized credentials based on both knowledge and work experience
- **Research**
- **Accreditation of academic programs, registration of other training providers (REPs)**

A Projectized World

- **20% of gross global product -- \$12 trillion per year – spent on fixed capital projects worldwide**
- **Trillions more in projects for IT, new product and service development, entertainment/IP, NGOs**
- **Project, program, and portfolio management**

- 3-year, \$2.5M study completed in 2008
 - ◆ 65 organizations, 418 projects, 447 interviews
 - ◆ Many values identified, primarily in
 - Execution (project results, (stakeholder satisfaction, ROI))
 - Organizational integration (breaking down “silos,” strategic alignment)
 - Learning (new capabilities, innovation, business transformation)

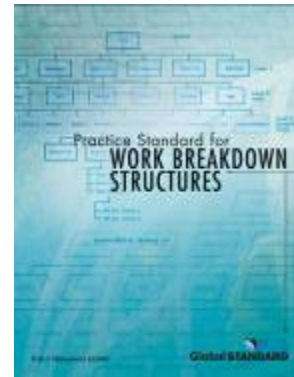
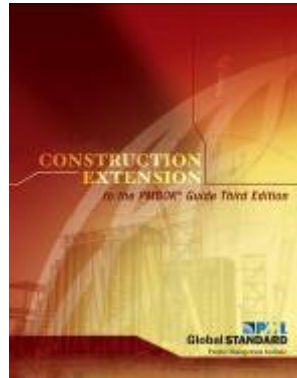


PMI Family of Credentials

- Certified Associate in Project Management (CAPM®)
- Scheduling Professional (PMI-SP®)
- Risk Management Professional (PMI-RMP®)
- Project Management Professional (PMP®)
- Program Management Professional (PgMP®)



Globally Recognized Standards



Value Through Execution



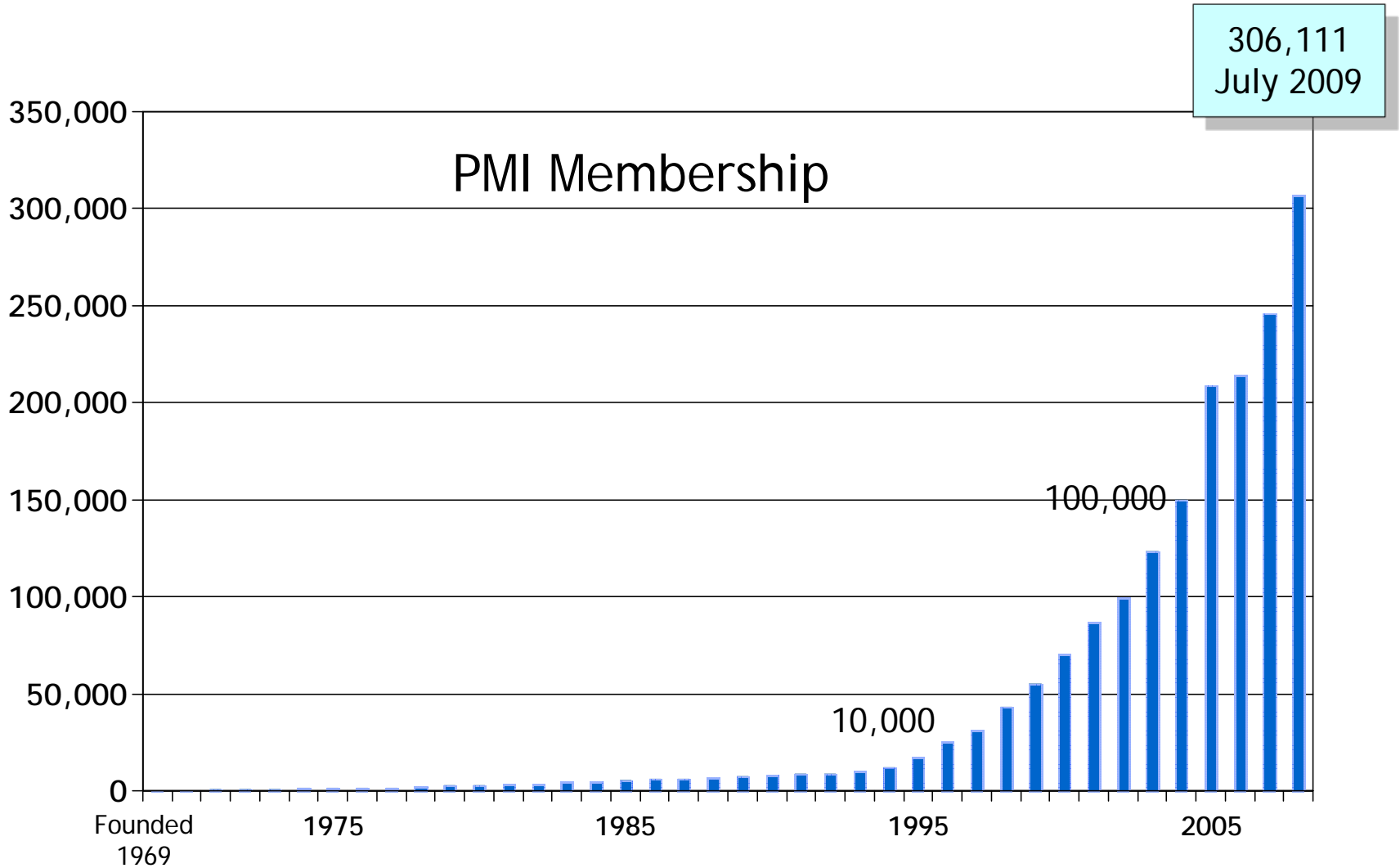
"Project management provides hard value: saving wasted dollars and effort and mitigating the risk of wasting dollars."

"Project management should help with share prices because it will increase confidence in the market as we deliver on projects."

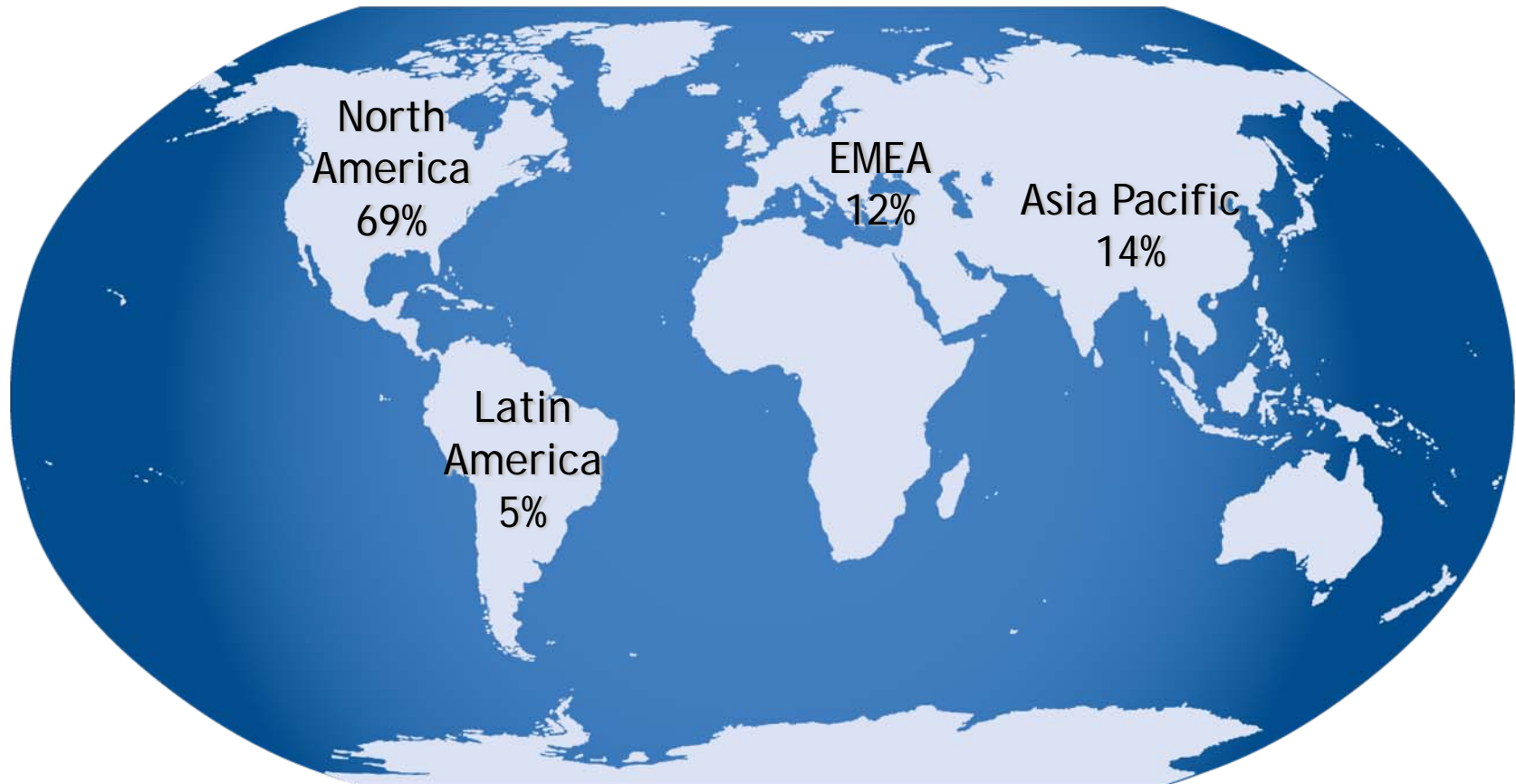
"The value of project management is tangible. It's the structure behind the projects. We do better than industry benchmarks."

All quotations from interviews in *Researching the Value of Project Management*

40 Years of Growth



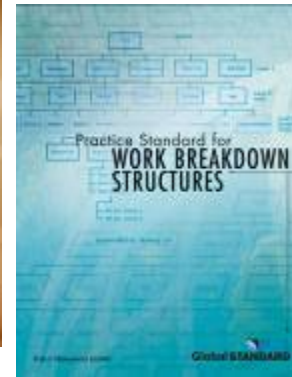
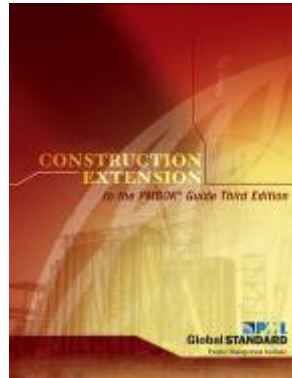
Join Locally, Connect Globally



250 Chapters, 29 SIGs, 2 Colleges

October 2008 data

Globally Recognized Standards



- More than 1100 Registered Education Providers (R.E.P.s):
 - ◆ Commercial training firms
 - ◆ Colleges and universities
 - ◆ Corporations
 - ◆ Government agencies
 - ◆ PMI components & communities
- Can offer Professional Development Units (PDUs) in continuing education
- PDUs required to maintain most PMI certifications



Global Demand for Project Management

- **\$12 trillion per year spent on fixed capital projects worldwide – 20% of global economy**
- **Trillions more in projects for IT, new product and service development, entertainment/IP, NGOs**
- **More than 20 million people worldwide work on project teams**
 - **Yet trillions at risk due to shortage of *trained practitioners***

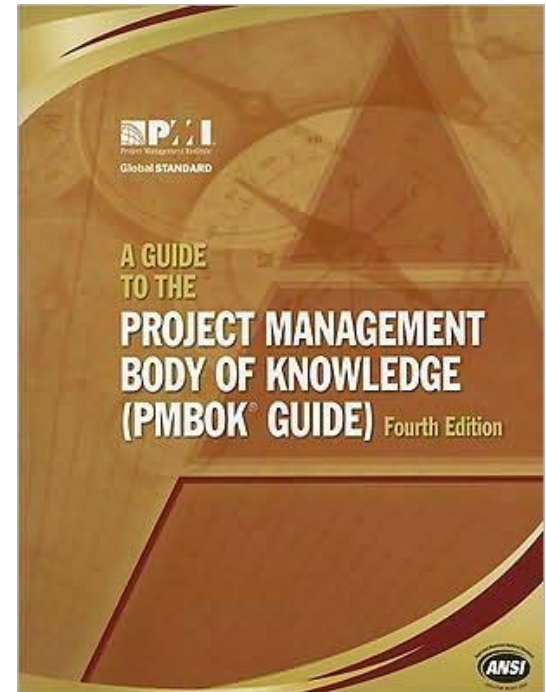
- Project Management Institute (PMI) (www.pmi.org) – provides global leadership in the development of standards for the practice of project management profession throughout the world.
- Five volunteers founded the Project Management Institute (PMI) in 1969. The Commonwealth of Pennsylvania, USA issued Articles of Incorporation for PMI, which signified the official inception of the organization.
- Today, there are 195,000 chapter members of PMI. These chapters are spread out in 45+ countries. There are 302,364 PMI members, 331,208 PMP, 7,455 CAPM, 237 PgMP, 146 SP, 94 RMP certificants. (source: *PMI Today*, March 2009)

Advantages to PMP

- From a recent global Project Management Salary Survey conducted by Foote Partners in 15 countries covering 26,000 professionals, it is clear that overall, PMPs are getting paid more than non-PMPs.
- PMI's own annual Salary Survey (at www.pmi.org) indicates a consistent advantage for PMP certified Project Management practitioners.

PMBOK 3 moves to PMBOK 4

- PMI released a new PMBOK® Guide 4th Edition in December 2008
- Major changes in structure, content, language
- Perspective of processes in PM is now “generally recognized”
- Project Management represented by 42 processes
- Process groups mapped to Deming’s quality steps
- Significant Statistics:
 - ◆ 600+ inputs, tools & techniques, outputs (ITTOS)
 - ◆ 450+ definitions
 - ◆ 32 pages of glossary
- Verb-Object process names
- Processes by Process Groups
 - ◆ Initiating has 2
 - ◆ Planning has 20
 - ◆ Executing has 8
 - ◆ Monitoring & Controlling has 10
 - ◆ Closing has 2
- Total of 42 processes in 9 knowledge areas



Eligibility: Formal & OJT

CATEGORY 1	CATEGORY 2
<ol style="list-style-type: none">1. At the time of application, the candidate holds a baccalaureate or better.2. A minimum of 4,500 hours of project management experience within the five project management process groups within the eight-year period prior to application.3. Additionally, the candidate has obtained 35 contact hours of project management education.	<ol style="list-style-type: none">1. At the time of application, the candidate does not hold a baccalaureate or global equivalent university degree, but holds a high school diploma or equivalent secondary school credential.2. A minimum of 7,500 hours of project management experience within the five project management process groups, within the eight-year period prior to the application. Candidates who hold an associates degree should also apply in this category.3. Additionally, at the time of application, the candidate has obtained 35 contact hours of project management education.

“The PMI Way”: Assessment Test

- I. The project sponsor has approached you with a dilemma. The CEO announced at the annual stockholders meeting that the project you're managing will be completed by the end of this year. The problem is that this is six months prior to the scheduled completion date. It's too late to go back and correct her mistake, and stockholders are expecting implementation by the announced date. You must speed up the delivery date of this project. Your primary constraint before this occurred was the budget. Choose the best action from the options listed to speed up the project.
 - a) Hire more resources to get the work completed faster.
 - b) Ask for more money so that you can contract out one of the phases you had planned to do with in-house resources.
 - c) Utilize negotiation and influencing skills to convince the project sponsor to speak with the CEO and make a correction to her announcement.
 - d) Examine the project plan to see whether there are any phases that can be fast tracked, and then revise the project plan to reflect the compression of the schedule.

- D. Fast tracking is the best answer in this scenario. Budget was the original constraint on this project, so it's unlikely the project manager would get more resources to assist with the project. The next best thing is to compress phases to shorten the project duration. For more information, please see Chapter 1 and Chapter 7.

2. These types of dependencies can create arbitrary total float values and limit your scheduling options.
 - A. Discretionary
 - B. External
 - C. Mandatory
 - D. Hard logic

- 2. A. Discretionary dependencies can create arbitrary total float values and they can also limit scheduling options. For more information, please see Chapter 4.

3. The primary function of the Closing processes is to perform which of the following?
- A. Formalize lessons learned and distribute this information to project participants.
 - B. Perform audits to verify the project results against the project requirements.
 - C. Formalize project completion and disseminate this information to project participants.
 - D. Perform post-implementation audits to document project successes and failures.

- C. The primary function of the Closing processes is to formalize project completion and disseminate this information to the project participants. For more information, please see Chapter 12.

- 4. You have been assigned to a project that will allow job seekers to fill out applications and submit them via the company website. You report to the VP of human resources. You are also responsible for screening applications for the information technology division and setting up interviews. The project coordinator has asked for the latest version of your changes to the online application page for his review. Which organizational structure do you work in?
- A. Functional organization
 - B. Weak matrix organization
 - C. Projectized organization
 - D. Balanced matrix organization

- B. Functional managers who have a lot of authority and power working with project coordinators who have minimal authority and power characterizes a weak matrix organization. Project managers in weak matrix organizations are sometimes called *project coordinators*, *project leaders*, or *project expeditors*. For more information, please see Chapter I.

A project is a temporary endeavor undertaken to create a unique product, service, or result

- ◆ Temporary
 - > Defined goal, schedule, cost
 - > *Not* routine operations (although result may become so)
 - > Backup is not a project!
- ◆ Unique
 - > Requires learning and adaptation
 - > Often assembles a team that hasn't worked together before
- ◆ Progressive elaboration
 - > Develops in steps, continues by increments
 - > Scope is refined as specifications evolve

Projects are how organizations manage *change*.

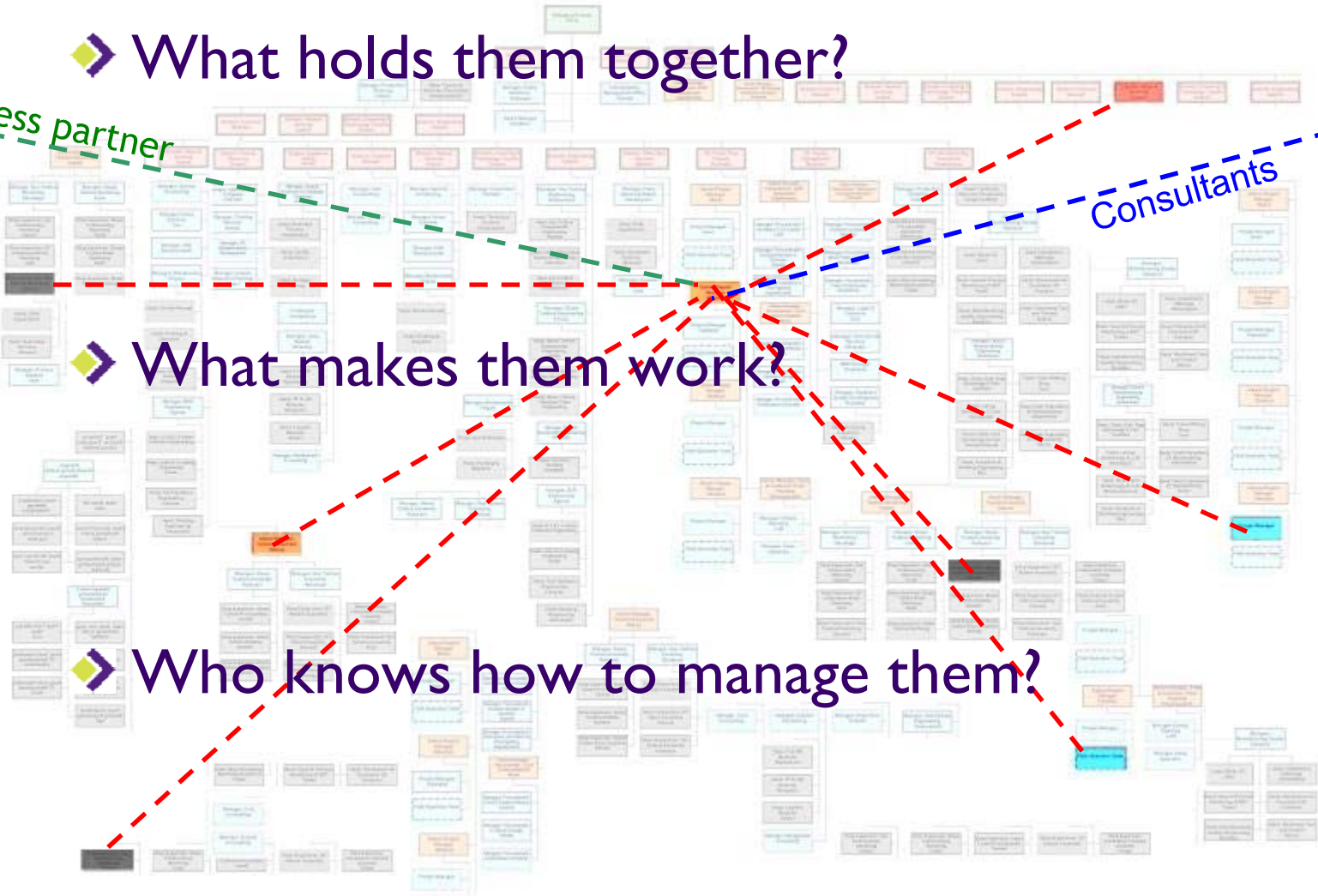
➤ What holds them together?

Business partner

Consultants

➤ What makes them work?

➤ Who knows how to manage them?



- About training
- About self-study
- Before the Test
- Learning to answer “the PMP way”
- Sample Questions & Answers

5 Process Areas

- Initiating
- Planning
- Executing
- Controlling
- Closing

➤ Symptoms of “TMPMP”:

- ◆ Participants complain about form filling
- ◆ Project managers do not follow the process
- ◆ Project management cost is disproportionate compared with the total cost of the project
- ◆ Completing all the documents and steps in the methodology is a key measure of success
- ◆ Following process is valued more highly than project success

➤ In Other Words: Process That Does Not Add Value

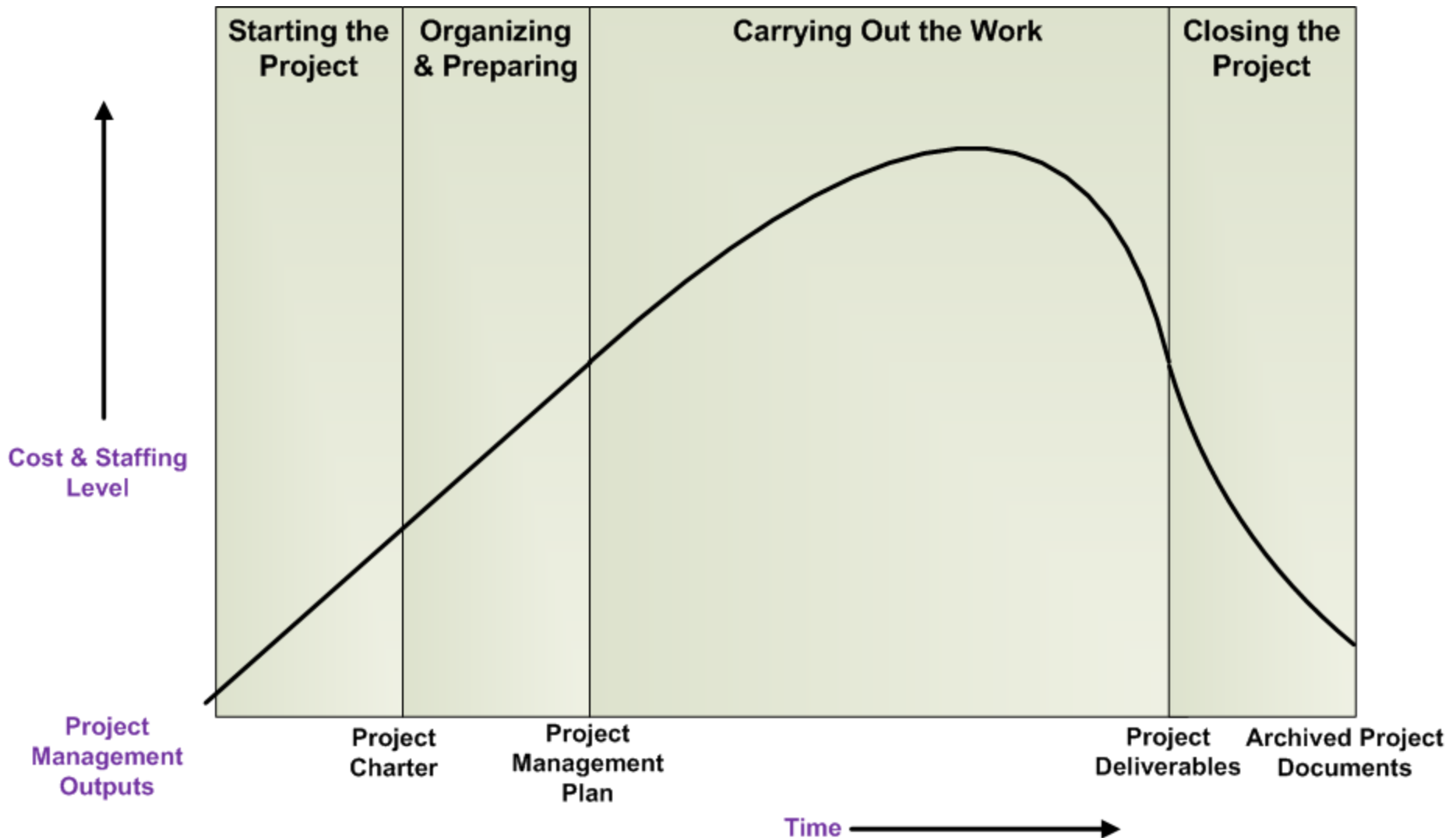
9 Knowledge Areas

1. Integration
2. Scope
3. Time
4. Cost
5. Quality
6. Human Resources
7. Communications
8. Risk
9. Procurement

Types of Storage networking Projects that Could Benefit by PMI Processes


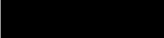


- SAN Rollouts
- Major SAN reconfigurations
- Data Center relocation
- New Data Center development & deployment
- Major architectural change
- Disaster recovery/Business continuity planning and preparation
- Others?

Time & Resource Matrix



A Storage Project Using PMI Process

- Major bank in U.S. Midwest, The Huntington National Bank, U.S. making major purchase in tier I Storage
- PMP-managed, storage team led project evaluated 4 major providers of storage
- SNIA Tech Center asked to provide vendor-neutral vendor and administrative/technical support

Huntington Bank Enterprise Storage Evaluation		2009
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The Process



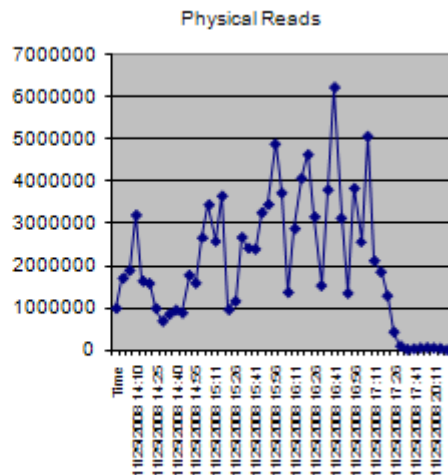
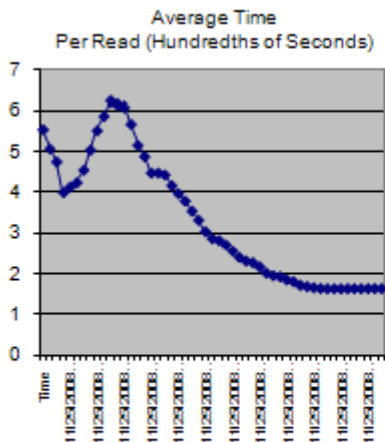
The testing environment was created so that all equipment could be tested under similar conditions. A virtual private network was created so that Huntington personnel could securely access and monitor all testing events, and insure against any tampering with testing results.



The testing lab was transformed in two short weeks as approximately 12 tons of equipment were delivered and configured for the POC test.

Project Tracking

- 671 Items in the Project Plan
- 4 vendors (engineers, sales, marketing), 10+ bank IT staff, SNIA staff over 5 weeks
- Daily 30 minute project meeting



ID	Task Name	Duration	Start	Finish	Resource Names
1	Pre-Setup Phase	12 days	Fri 11/7/08	Fri 11/21/08	
2	VPN setup	1 day	Fri 11/7/08	Fri 11/7/08	Paul
3	Firewall configuration changes made	1 day	Fri 11/7/08	Fri 11/7/08	
4	VPN circuits installed	1 day	Fri 11/7/08	Fri 11/7/08	
5	VPN circuits validated	1 day	Fri 11/7/08	Fri 11/7/08	
6	Test VPN to SNIA applications	1 day	Fri 11/7/08	Fri 11/7/08	
7	Pre-test Validation of test software	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Andy
8	Vendor POC contracts	1 day	Fri 11/7/08	Fri 11/7/08	Sean, Frank
9	Test plans due	12 days	Fri 11/7/08	Fri 11/21/08	
10	IBM review	1 day	Wed 11/19/08	Wed 11/19/08	Chris Johnson
11	EMC review	1 day	Wed 11/19/08	Wed 11/19/08	Mike Carol
12	HDS review	1 day	Wed 11/19/08	Wed 11/19/08	Tim Weis
13	HP review	1 day	Wed 11/19/08	Wed 11/19/08	Paul Wademan
14	Creation of an over laying test plan from the testing categories	1 day	Fri 11/7/08	Thu 11/20/08	Bob
15	Incorporation of the test plans into the project schedule	1 day	Fri 11/21/08	Fri 11/21/08	Jaqu
16	Create scoring documentation	1 day	Fri 11/7/08	Fri 11/7/08	Team
17	SNA POC contracts	3 days	Wed 11/12/08	Fri 11/14/08	
18	Contracts to Frank and Legal	1 day	Wed 11/12/08	Wed 11/12/08	
19	Revisions accepted	1 day	Thu 11/13/08	Thu 11/13/08	
20	Final signoffs routed	1 day	Thu 11/13/08	Thu 11/13/08	
21	Contracts sent to SNIA and file with HNB legal	1 day	Fri 11/14/08	Fri 11/14/08	
22	Electrical setup validation	3 days	Fri 11/7/08	Tue 11/11/08	
23	XXX config to SNIA	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Rick
24	XXX config to SNIA	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Rick
25	XXX config to SNIA	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Rick
26	XXX config to SNIA	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Rick
27	Confirm electrical schedule and deliver to SNIA	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Rick
28	Confirm space logistics	1 day	Tue 11/11/08	Tue 11/11/08	Bob
29	Validation of shipping and receiving dates	6 days	Fri 11/7/08	Fri 11/14/08	
30	XXX tracking numbers and receiving date	1 day	Fri 11/7/08	Fri 11/7/08	Paul
31	XXX tracking numbers and receiving date	1 day	Fri 11/7/08	Fri 11/7/08	Paul
32	XXX tracking numbers and receiving date	1 day	Fri 11/7/08	Fri 11/7/08	Paul
33	XXX tracking number and receiving date	1 day	Fri 11/7/08	Fri 11/7/08	Paul
34	Confirmation from SNIA equipment on floor	1 day	Fri 11/7/08	Fri 11/7/08	Bob, Rick
35	Layout of SNIA lab	1 day	Fri 11/21/08	Fri 11/21/08	Bob, Sean, Jim
36	Inter-configuration validation of vendor software (interoperability matrix)	1 day	Fri 11/21/08	Fri 11/21/08	Bob, vendors
37	ID Testing Equipment and Software	7 days	Fri 11/7/08	Sun 11/16/08	
38	Test Swingbench against current storage and servers	1 day	Fri 11/7/08	Fri 11/7/08	Paul, Andy, Jason G.
39	Validation of servers to arrive at SNIA	1 day	Thu 11/13/08	Thu 11/13/08	Paul
40	Validation, config hard drives and shipment readiness	3 days	Thu 11/13/08	Sun 11/16/08	Jason G.
41	Run grabs against test server	1 day	Thu 11/13/08	Thu 11/13/08	Jason G.
42	I/O Swingbench knowledge transfer	4 days	Fri 11/7/08	Wed 11/20/08	Storage Team, Andy
43	Travel plans and budget	4 days	Fri 11/7/08	Wed 11/20/08	Sean
44	Confirm Vendor attendance and date/contact information	5 days	Fri 11/7/08	Thu 11/13/08	
45	Milestone finish date	10 days	Tue 11/11/08	Fri 11/21/08	
46	Phase 1	9 days	Sun 11/16/08	Wed 11/26/08	
47	Vendor Kickoff	4 days	Mon 11/17/08	Thu 11/20/08	Sean, Bob
48	Security setups	4 days	Mon 11/17/08	Thu 11/20/08	
49	Lap virus certification	4 days	Mon 11/17/08	Thu 11/20/08	
50	SNA staging	2 days	Sun 11/16/08	Mon 11/17/08	Rick, John
51	Marking of space	2 days	Sun 11/16/08	Mon 11/17/08	Bob
52	Confirm LANIP cabling and connectivity	1 day	Mon 11/17/08	Mon 11/17/08	
53	Setup Network settings	2 days	Sun 11/16/08	Mon 11/17/08	
54	IP address, subnet masks, gateway, SMTP, NTP, DNS configuration	1 day	Sun 11/16/08	Sun 11/16/08	Bob, John
55	Test	1 day	Mon 11/17/08	Mon 11/17/08	Bob, John
56	XXX server setup for swingbench data	2 days	Tue 11/18/08	Wed 11/19/08	

The Results

CATEGORY	WWW	XXX	YYY	ZZZ
Internal virtualization	3.19	2.65	2.32	3.86
External virtualization	3.65	2.23	2.22	0.00
Thin provisioning	3.33	2.85	2.05	3.93
File level reporting	2.62	2.35	2.75	0.00
Replication	3.60	2.50	2.44	2.26
Performance management	2.60	2.87	2.75	3.63
Data mobility	3.17	2.37	2.40	0.00
Alerting and monitoring	2.88	2.33	2.35	2.16
Executive and charge back modeling	2.22	2.10	2.97	1.00
Ease of use	3.60	2.30	2.50	3.93
POC performance	3.65	3.50	1.50	2.50
Total score	3.13	2.55	2.38	2.11

PMI & SMI: Managing a Complex Specification Process

TSG F2F Schedule Report as of Wed 7/15/09
SMI-S Spec Development Schedule

✓	100%	(SMI-S 1.5) Approve Initial Draft Books	Fri 2/20/09	Fri 3/6/09	11 days	92	94	No	
✓	100%	(SMI-S 1.5) Initial Draft Complete	Fri 3/6/09	Fri 3/6/09	0 days	93	101	No	
✓	100%	☐ (SMI-S V1.4) CTP Provider Test Plan	Fri 6/27/08	Tue 11/4/08	89 days			No	
✓	100%	[EXT] CTP Test Harness Coding Complete for Spec 1.3	Fri 6/27/08	Fri 6/27/08	0 days	57	97	No	
✓	100%	(SMI-S V1.4) Write Provider Test Plan	Mon 6/30/08	Wed 10/22/08	80 days	96	98	No	
✓	100%	(SMI-S V1.4) Approve Provider Test Plan	Thu 10/23/08	Tue 11/4/08	9 days	97	99	No	y
✓	100%	(SMI-S V1.4) CTP Provider Test Plan Complete	Tue 11/4/08	Tue 11/4/08	0 days	98	117	No	
✓	100%	☐ (SMI-S 1.5) Full Scope - Draft (Rev 2)	Mon 3/9/09	Tue 6/30/09	81 days			No	
✓	100%	(SMI-S 1.5) Create Content for Full Scope Draft Books - (Rev 2)	Mon 3/9/09	Tue 6/9/09	66 days	94	102	No	y TSG Au
✓	100%	(SMI-S 1.5) Create Full Scope Draft Books - (Rev 2)	Wed 6/10/09	Tue 6/16/09	5 days	101	103	No	S
✓	100%	(SMI-S 1.5) Approve Full Scope Draft Books (Rev 2)	Wed 6/17/09	Tue 6/30/09	10 days	102	104	No	
✓	100%	(SMI-S 1.5) SMI-S 1.5 Full Scope Draft Complete (Rev 2)	Tue 6/30/09	Tue 6/30/09	0 days	103	106	No	
	22%	☐ (SMI-S 1.5) Implementation Draft	Wed 7/1/09	Sun 11/22/09	100 days			No	
	50%	(SMI-S 1.5) Create Content for Implementation Draft Books w/ CIM 2.23 Dependency	Wed 7/1/09	Fri 10/16/09	76 days	104	107	No	y TSG Au
	0%	(SMI-S 1.5) Create Implementation Draft Books	Mon 10/19/09	Fri 10/23/09	5 days	106	108	No	S
	0%	(SMI-S 1.5) Approve Implementation Draft Books	Fri 10/23/09	Sun 11/22/09	30 edays	107	109,112	No	

- Planned and executed using PMI methodology
- Project Manager is by Tom Mancuso, PMP
- Example links to Project files
- Utilized online project management website, Basecamp®

Deliverables	
	Deliverables (Plans & Assessments)
	Project Plans
	Project Plan (Scope, Budget, Schedule)
	Communications Plan
	Improvement Needs Assessments
	DataComm & TeleComm Improvement Needs Assessment
	Offices & Common Area Improvement Needs Assessment
	Classroom Improvement Needs Assessment
	Lab Space Improvement Needs Assessment
	Construction/Buildout Plans
	Offices & Common Area Buildout Plan
	Lab Buildout Plan
	Classroom Buildout Plan
	TeleComm Buildout Plan
	DataComm Buildout Plan
	Power/ Electrical Buildout Plan
	Teardown-Move-Setup Plans (TMS Plans)
	TeleComm TMS Plan
	DataComm TMS Plan
	Offices & Common Areas TMS Plan
	Labs TMS Plan
	Classroom TMS Plan
	Power/Electrical TMS Plan
	Storage TMS Plan
	Systems Testing Plans
	Telephone (Voice & Wireless)
	Data Infrastructure (LAN/WAN/Wireless/SAN)
	Internet Access (ISP, addressing, etc.)
	HVAC
	Security
	Safety Systems

- Software/Standalone
 - ◆ MS Project, Primavera
- Software/Network
 - ◆ MS Project Server
- SAAS
 - ◆ Basecamp



SNIA See the [administrator list](#) to give or take av

<p>SNIA Edit this company Add person to SNIA</p> <p>Erin Weiner Admin Coordinator Erin.Weiner@snia.org O: 719 884-8902 M: 719 491-4347 F: 719 884-8916 Edit</p> <p>James Rigger CTP Program Manager james.rigger@snia.org O: (719) 884-8901 M: (719) 659-7961 F: (719) 884-8916 Edit</p>	<p>John Malia Tech Center Engineer john.malia@snia.org MSN IM: tcengineer@snia.org O: (719) 884-8905 M: (719) 963-0889 F: (719) 884-8916 Edit</p> <p>Leo Leger Executive Director leo.leger@snia.org Edit</p> <p>Michael Harman Intern michael.harman3@gmail.com Edit</p>	<p>Rick Bauer Project Sponsor rick.bauer@snia.org MSN IM: rick_bauer_cio O: 719 884-8900 M: 719 491-3752 F: 719 884-8916 Basecamp account owner Edit</p> <p>Tom Mancuso Project Manager tom.mancuso@snia.org O: 719 884-8909 M: 719 491-2514 F: 719 884-8916 Edit</p> <p>Wayne Adams SNIA Chair adams_wayne@emc.com Edit</p>
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SNIA Tech Center Relocation SNIA

Overview
Messages
To-Do
Milestones
Writeboards
Chat
Time
Files
People & Permissions
Search

Project overview & activity
[New message](#)
[New to-do list](#)
[New milestone](#)
[New file](#)

This is the project website that will execute the relocation of the SNIA Technology Center, 301 Rockrimmon Blvd, Colorado Springs, to the new location at the LSI Facility, 4420 Arrowswest Dr., Colorado Springs, CO 80907-3439.

WEDNESDAY, 1 JULY 2009

- To-do
asked moving company for a list of references. ([Select Moving Company](#))
Assigned to [Erin W.](#)
- To-do
Once a phone system and carrier is picked, next step is to ask the carrier if we can transfer the phone number from the ol... ([Phone System](#))
Assigned to [Erin W.](#)

MONDAY, 29 JUNE 2009

- Milestone
[SNIA Winter Symposium](#) (Due 25 Jan)
Assigned to [Rick B.](#)
- To-do
can we move into the facility early? when? can we start working on the facility before we take occupancy? ([Discussion with LSI](#))
Assigned to [Rick B.](#)
- To-do
talking to BBB on complaints ([Select Moving Company](#))
Assigned to [Michael H.](#)
- To-do
Rick finds out from Bob Barley who the TRowe contact is. Rick sets up meeting @ the facility with John. ([T.Rowe Price IT Discussion](#))
Assigned to [Rick B.](#)
- To-do
Look at the electrical draw and requirements for the new facility, check and see if there are any special electrical requi... ([Electrical System](#))
Assigned to [James R.](#)
- To-do
Rick talks to Bob Barley on these matters ([Discussion with LSI](#))
Assigned to [Rick B.](#)
- To-do
John to research the architecture for VOIP; can we share one Internet circuit, can we configure our existing router to sup... ([Phone System](#))
Assigned to [John M.](#)

WEDNESDAY, 24 JUNE 2009

- Milestone
[Deadline for SNIA to vacate HP premises](#) (Due 30 Jan)
Assigned to [Rick B.](#)
- Message
[Welcome to the Project Site](#)
Posted by [Rick B.](#)
- File
[xxx_tech_center_relo_plan_template.doc](#)
Uploaded by [Tom M.](#)

Beware of ZOMBIE PMP's!



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10 Keys to Successful Projects*

1. Strong Business Case & Executive Sponsorship
2. Leadership of the PM and Project Team
3. Identify the Critical Success Factors
4. Planning
 - a) Documented project milestones & deliverables
 - b) Valid & realistic time scale
 - c) Accurate cost estimating
 - d) Understand resource requirements
 - e) Fudge factor? 15%
5. Team Motivation
6. Saying “No”
7. Avoiding Scope Creep
8. Managing Risks to the Project
9. Good Project Closure
10. Good Luck!

*Adapted from “8 Keys to Ensuring Project Success”, by Duncan Haughey

10 Qualities of a Good Project Manager*

1. Inspires a Shared Vision
2. Good Communicator
3. Integrity
4. Enthusiasm
5. Empathy
6. Competence
7. Ability to Delegate Tasks
8. Cool Under Pressure
9. Team-Building Skills
10. Problem-Solving Skills

Top 10 Qualities of a Project Manager, by Timothy R. Barry

- Cross-promote each other's credential programs
 - ◆ SNIA SNCP® & PMI's PMP®
- Create linkages for PMP's doing storage networking projects managed with PMI processes
- Create and develop white papers, presentations, develop best practices library
- Social Media linkages easy: SNIA LinkedIn, PMI LinkedIn
- Other ideas?

Q&A

Suggestions for Training Experiences/Sharing Next Steps for SNIA & PMI

- Please send any questions or comments on this presentation to rick.bauer@snia.org

**Many thanks to the following individuals
for their contributions to this tutorial.**

- SNIA Education Committee

PMI.ORG

Leslie Bakker

Duncan Haughey

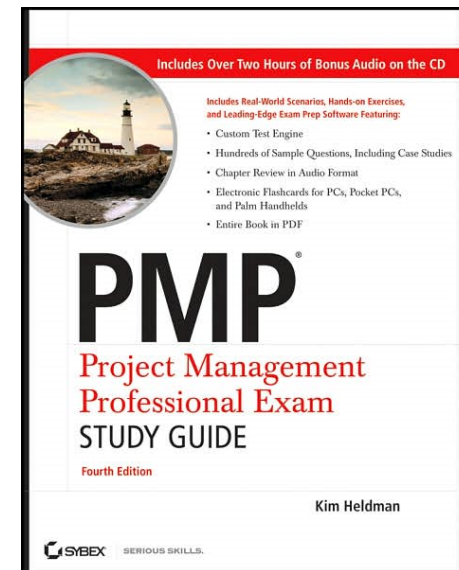
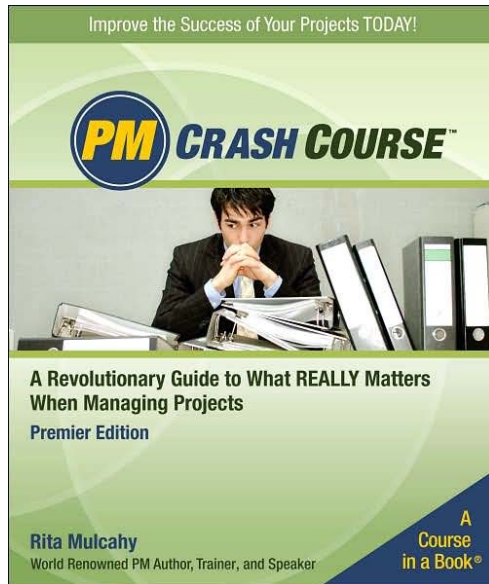
Sean Kern

Tom Mancuso

Jacqueline Moore-Armstead

Further Reading & Preparation

- Rita Mulcahy's training materials are good
- PMI.org
- Know PMBOK 4 by heart



References

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- Kouzes, J. M: *The Leadership Challenge*, Jossey-Bass Publishers, CA.
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- Mulcahy, Rita and Martha Young. *PM Crash Course for IT Professionals: Real-World Project Management Tools and Techniques for IT Initiatives*