Project Management Professional (PMP®) Exam Crash Course

Welcome!

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Vets²M



The following pages are presented to facilitate the use of the Vets2PM 30-Day Study Plan



Course Introduction



Section Objectives

- Meet your Support Team
- Course Objectives
- PMP[®] Introduction & Requirements
- Resources



Your Support Team

Reach as at our first name (as below) evets2pm.com!

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Vets?M

Founder & CEO) Veterans mak Kelly Director of Staff (Chief Operations Officer) (Director of

(Dírector of Career Services) Garrík (Lead Instructor)

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Course Objectives

- Teach you how to take and pass the PMP[®] exam. "Period."
 - Exam-taking techniques and tips
 - A *key* decision-making model to approach exam questions
 - The appropriate "lens" through which to take the exam
 - "How PMI thinks; how they see PMs"
 - Methodology differences
 - Exam-centric, "boot stomp" topics throughout a sequential project flow:
 - Initiate, Plan, Execute & Adjust, and Close
 - Exam-prep activities, questions, and practical tools
 - Holistic overview and conclusion



What is the PMP[®]?

- Quantifiable experience as a PM, doctrinal knowledge of PM fundamentals, and passing an arduous exam
- Passing the exam results in the globally-recognized Project Management Professional (PMP®) credential/certification
 - To hiring mangers, the PMP[®] 'validates' one's project management experience in:
 - Knowledge of PM domains

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- Experience in applying that knowledge to reality
- Wisdom in conceptualizing and refining that application

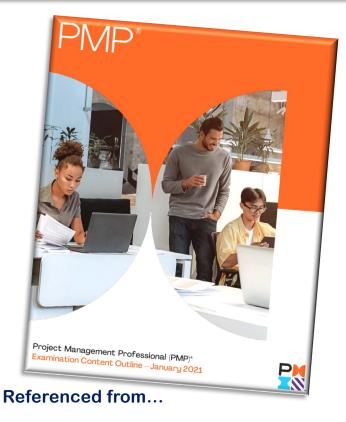
PMP[®] Requirements

To be eligible for the PMP certification, you must meet certain educational and professional experience requirements. All project management experience must have been accrued within the last eight consecutive years prior to your application submission.

Educational Background	Project Management Experience
Secondary degree (high school diploma, associate's degree or global equivalent)	Minimum five years/60 months unique non-overlapping professional project management experience
OR	
Four-year degree (bachelor's degree or global equivalent)	Minimum three years/36 months unique non-overlapping professional project management experience
OR	
Bachelor's or post-graduate degree from a GAC accredited program * (bachelor's degree or master's or global equivalent)	Minimum two years/24 months unique non-overlapping professional project management experience

Experience must include leading and directing projects. A project is a temporary endeavor undertaken to create a unique product, service or result (as defined by the *PMBOK*[®] *Guide*).

In addition to the above project management experience, applications must also have at least 35 contact hours of formal project management education unless they are an active CAPM holder. If you are an active CAPM certification holder, you do NOT need to document the 35 contact hours. Your project management education requirement is waived.





PMP[®] Application

- Create an account at pmi.org
- Initiate a PMP[®] application
- Use the *Application Completion Tool** to consolidate and record your PM experience
 - (If audited) Complete audit instructions
 - Contact us for *free* audit defense
 - (If rejected) Complete correction instructions
 - Contact us for *free* application correction
- Upon acceptance, schedule your PMP® exam
 - Recommended to test within 4 weeks of completing this course and the 30-Day Study Plan

* The Application Completion Tool is provided for *free* as part of your Vets2PM membership, and is found on your Vets2PM Student Portal





Resources



- **On-Demand PMP® Exam Crash Course**
 - Videos, Project Manager Essential Toolbox (PMET), exam-prep questions, etc.
- Vets2PM PMP Application Course
 - The Application Completion Tool (ACT)
- Many other *free* materials to facilitate your success!



Project Management Institute (PMI®)

- **PMBOK Guide 7th Edition**
 - "Project Management Body of Knowledge Guide"

Project Management Professional Exam Content Outline (PMPECO) PMI.org (articles, standards, publications, etc.)

PMET **Project Manager**

Essentials Toolbox

Vet_{SDM}

Enjoy the Course!

Have fun Be curious Trust the process



Exam Information



Section Objectives

The PMP® Exam

- The PMBOK[®] Guide
- Composition
- Execution
- Approach
 - The appropriate "lens" through which to take the exam
 - "How PMI thinks; how they see PMs"
- Studying



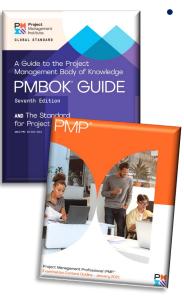
The PMP[®] Exam

- Comprehensive, timed, situational, computer-based exam that tests one's understanding and application of PM domains in terms of:
 - Social skills, technical skills, and business environment
- Passing the exam results in the globally-recognized Project Management Professional (PMP®) credential/certification
 - To hiring mangers, the PMP[®] validates one's project management experience in:
 - Knowledge of PM domains
 - Experience in applying that knowledge to reality
 - Wisdom in conceptualizing and refining that application





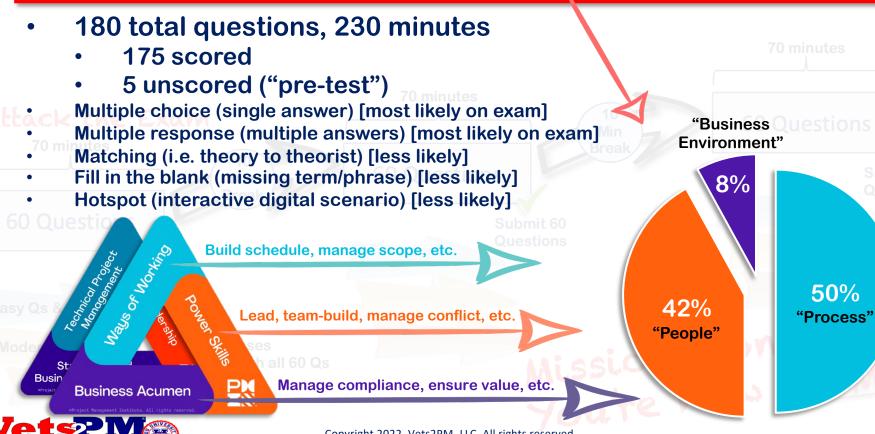
PMP® Exam & The PMBOK® Guide



- A manual published by PMI that contains:
 - An ANSI Standard (ANSI/PMI 99-001-2021) for delivering projects in any environment/industry
 - A guideline that project managers can use to assist in forming and implanting project plans
 - A contemporary collection of good and <u>emerging</u> practices to successfully manage projects
 - The PMP[®] Exam is not based on the (current) PMBOK[®] Guide, rather on the (current) PMP[®] Exam Content Outline (ECO). Any document supporting the tasks within the ECO are helpful for studying for the PMP[®] Exam.

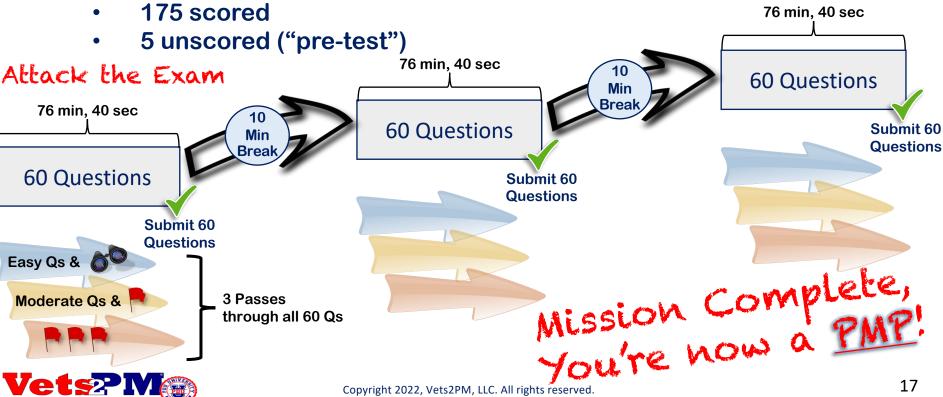


PMP[®] Exam Composition



PMP® Exam Execution

180 total questions, 230 minutes •



PMP[®] Exam Approach

How PMI sees us as PMs

• The "lens" through which to view exam questions

Mindset of the PM:

- Selfless service
- "The buck stops with you"
- > 90% of your time is spent communicating (meetings, SMEs, reporting status, etc.)
- Planning is key, the WBS is the key planning document, so every project has a WBS
- Balanced approach to conflict management, negotiation, leadership style, etc.
- Always observe before making a decision (respond, don't react)
- Proactive, not reactive



PMP[®] Exam Approach

How PMI sees us as PMs

• The "lens" through which to view exam questions

Exam Assumptions:

- > You are assigned to a large, complex project for a large organization by a large organization
- Multi-year schedule and million+ dollar budget
- > Numerous, global Stakeholders
- You are assigned before the project work begins, stakeholders are engaged, and roles/responsibilities are clearly defined and known
- > You have appropriate time to plan and make decisions prior to executing
- > A Project Management Office (PMO) is present and active
- > You continuously influence stakeholders, changes, risks, root causes, and outcomes
- > You are always looking for small, incremental improvements
- > The project is not done until "all of the tools are put away"



PMP[®] Exam Studying

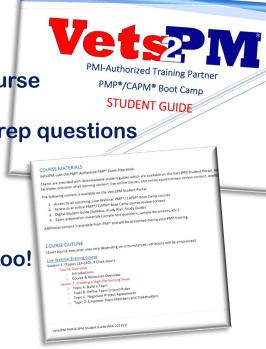
This PMP[®] Exam crash course is intended to be intense

- High volume of material
- Moderate complexity

We recommend 30 days of studying after completion of this course

- Use the 30-Day Study Plan; tailor length of time as needed
- Review course videos and materials; heavy focus on exam-prep questions
 - 2-3 hours per day
 - 5-6 days per week
 - 3-5 weeks

Life circumstances will vary, therefore your studying path will, too!





Exam Information

"Practice is the best of all instructors."

-Publilius Syrus (1st century Latin writer)



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Methodology



Section Objectives

- Methodology vs Life Cycle
- Methodologies
- Life Cycles
- Terms & Characteristics
- Agile Manifesto



Methodology vs Life Cycle

An approach to solving a particular problem.

How a project will be compartmentalized/phased.

Predictive Adaptive Hybrid Predictive Adaptive Hybrid

"Methodology" = "Approach"



Prime Methodologies

Predictive Approach

- End-state/objective is known, create detailed plan to achieve it
- Customer communication/planning/analysis greater at forefront of project
- Create a plan, execute that plan
- aka traditional, classic, plan-driven, waterfall

Adaptive Approach

- End-state/objective unknown/unclear, plan and execute as you go
- Customer communication/planning/analysis sustained throughout project in order to *adapt* to changes
- Plan some, execute some, get environmental feedback; repeat

Hybrid Approach

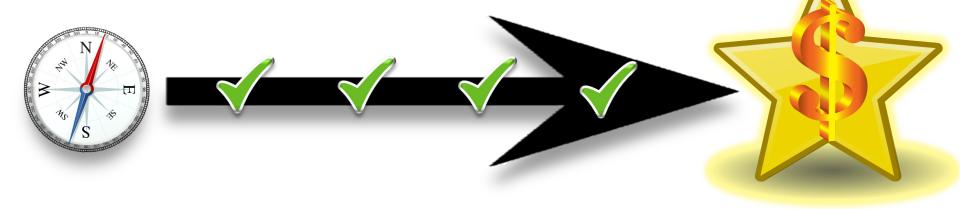
• Mixed elements of both predictive and adaptive methods



Predictive Projects

Predictive Approach

- End-state/objective is known, create detailed plan to achieve it
- Customer communication/planning/analysis greater at forefront of project
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- aka traditional, classic, plan-driven, waterfall





Adaptive Approach

- End-state/objective unknown/unclear, plan and execute as you go
- Customer communication, planning, analysis sustained throughout project in order to *adapt* to changes
- Plan some, execute some, get environmental feedback; repeat

Agile Approach

- Determine the process (iteration) that achieves the desired result AND delivers minimum value, and quickly, to receive feedback
- Refine processes (efficiency)
- Increase value produced (effectiveness)

Iterative Approach

- Determine the process (iteration) that achieves the desired result
- Execute process, repeat

Incremental Approach

- Deliver minimum value, but quickly, to receive feedback
- Produce increasing increments
 of value



Adaptive Approach

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- End-state/objective unknown/unclear, plan and execute as you go
- Customer communication, planning, analysis sustained throughout project in order to *adapt* to changes
- Plan some, execute some, get environmental feedback; repeat



- Determine the process (iteration) that achieves the desired result
- Execute process, repeat



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Adaptive Approach

- End-state/objective unknown/unclear, plan and execute as you go
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- Deliver minimum value, but quickly, to receive feedback
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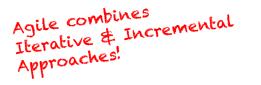


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Adaptive Approach

- End-state/objective unknown/unclear, plan and execute as you go
- Customer communication, planning, analysis sustained throughout project in order to *adapt* to changes
- Plan some, execute some, get environmental feedback; repeat



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Agile Approach

- Determine the process (iteration) that achieves the desired result AND delivers minimum value, and quickly, to receive feedback
- Refine processes (efficiency)
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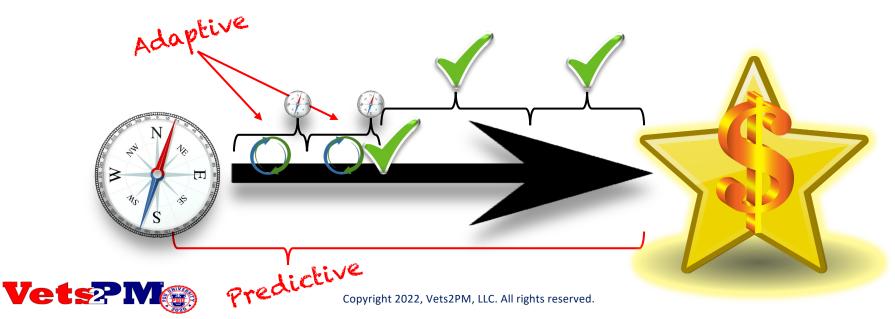


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Hybrid Projects

Hybrid Approach

- Mixed elements of both predictive and adaptive methods
 - E.g. Initial predictive plan made based on a presumedly-known end-state, with agile execution in order to gain customer feedback in the development phases of the beginning of the project.







Adaptive

























Terms & Characteristics

Predictive

- Project Manager
- Project Team
- Phases

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- Lessons learned gathered when intuitive/post-phase
- Deliverables
 - Identified

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- Verified (with Customer)
- Validated (by Customer, ongoing)
- Accepted (by Customer, final)



"Phases"

Terms & Characteristics

Agile

- Project Manager
- Product Owner
- Scrum Master
- Project Team
- Product Team
- Phases

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Iterations

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Iteration Planning

"Retrospective"

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Lessons Learned

"Review"

"Demo"

Customer feedback throughout

"Iteration"

~2 weeks~

 Customer feedback/collaboration is key

/ "Review"

(WORK planned vs work completed; assess value to customer)

"Demo"

(WORK completed and shown to customer to receive feedback; value-oriented)

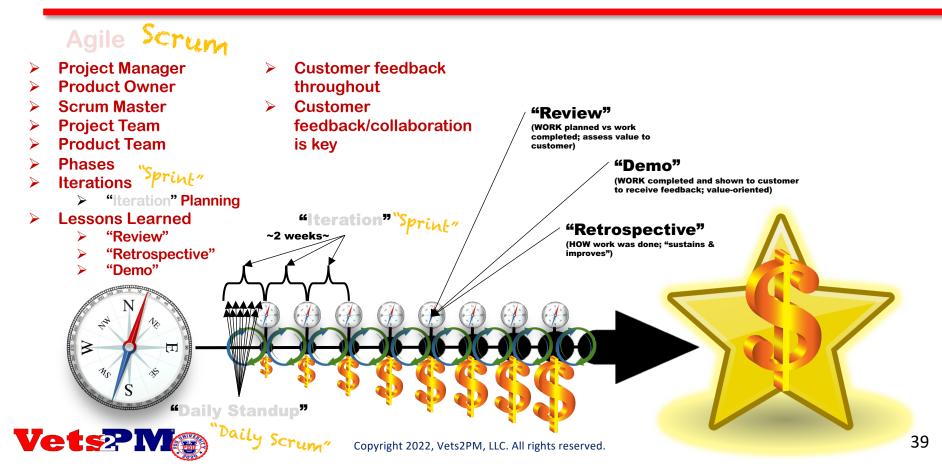
"Retrospective"

(HOW work was done; "sustains & improves")

"Daily Standup"



Terms & Characteristics



Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.



Methodology

Methodology/ Approach

Life Cycle

Way to solve a problem

Phases of the project



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Initiate



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Section Objectives

Initiating documents

- Documents vs. Artifacts
- Business Case
- Management Plan Overview
- Benefits Management Plan
- Project Charter
- Team Charter
- Project Management Plan

Initiating activities

- Team formation & development
- Securing enablers
- Stakeholder engagement
- Kickoff meeting







Documents vs Artifacts



Created throughout the project to record and present important information

> Stakeholder Register Requirements documentation (Current) Lessons Learned Register

A type of document that can be used to show historical context

- Past assumptions
- Past decisions
- Version-controlled

Project Charter Work Breakdown Structure (Past) Lessons Learned Register Documents

Artifacts



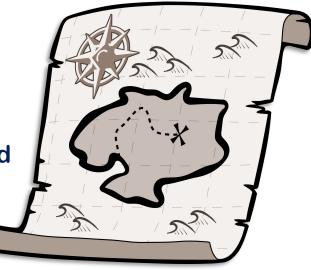
Business Case

Overall purpose of the project:

- Market need
- Organizational need
- Customer need
- Technological advancement
- Legal requirement
- Environmental need
- Social need

Should document the economic feasibility and justification for the project

Reflects needs of Executive Management





DOCUMENTS

Management Plan Overview





Benefits Management Plan

Describes how and when the benefits of the project will be delivered, and delineates the mechanisms used to measure those benefits.



- Target benefits
- Strategic alignment
- Timeframe for realizing benefits
- Metrics
- Assumptions
- Risks
- Etc.

Reflects:

- Business Case
- Cost / benefit analyses
- Value descriptions and metrics

Iteratively reviewed/refined



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Project Charter

"Authorization"

- Project to officially initiate
- You to be the PM!

Includes "high-level" guidance

- Requirements
- Milestones
- Stakeholders
- Risk considerations
- Etc.

PM typically not involved in initiating projects, usually occurs between Senior Management and Sponsor

PPRO

Influence creation if and when possible



DOCUMENTS



Team Charter

"Way of Working"

- Team dynamics
- Ground rules
- Procedures
- Schedules
- Ethical code
- Conflict Management
- Team-building
- Brainstorming
- Voting techniques
- Estimating techniques
- Etc.





DOCUMENTS

PM Plan

Comprehensive document describing how the project will be managed

- Processes
- Reviews
- Guidelines
- Approach/Life Cycle

Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

Management Plan

Project

Component Management Plans

- Benefits
- Requirements
- Change
- Configuration



DOCUMENTS

Team Formation & Development



Team formation can occur after receiving the Project Charter, or separately if the same team will manage multiple projects over time

Identify current project team



"Gap Avalysis"

Identify ideal project team

Skills

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Attributes

Ethics

Diversity Etc.

Team Formation & Development

Tuckman's Ladder

- Bruce Tuckman & Mary Jensen
- Group development stages
- Goal is to reach Performing Stage asap
 - "high-*performing* team"
- Cannot skip stages
- Team member additions/subtractions result in restarting the cycle



nitiating

Tasks

Team roles Social roles Novelty





Work begins Role conflict Social conflict



Work progresses Conflict resolution Sufficient performance



Role support Social support High performance



Lessons Learned Reward/Recognize Disintegration

Secure Enablers







A Knowledge Area including all facets of project stakeholders

Stakeholder = those affecting and/or affected by the project.

- ... or *perceiving* themselves to affect and/or be affected by the project!
- Individuals, groups, government agencies, communities, etc.

As PMs, we engage stakeholders deliberately



ldentify Stakeholders







Stakeholder Identification

Determine and document all known stakeholders

- Document analysis
- Brainstorm
 - Hold meetings
 - Project Team, SMEs, etc.
- Create Stakeholder Register

Stakeholder Register



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Tasks

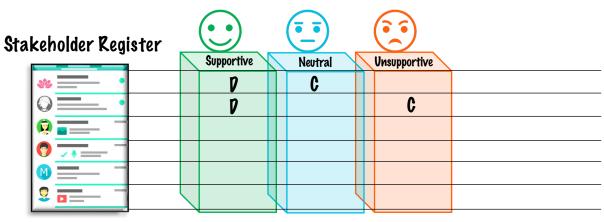
Stakeholder Analysis

Determine current & desired engagement levels



Use stakeholder analysis tools to guide your team's engagement plan





C = Current engagement level D = Desired engagement level



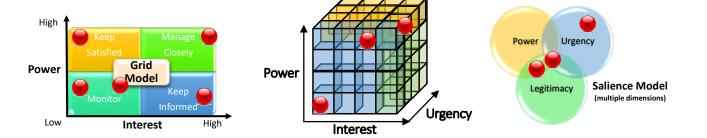
Stakeholder Analysis

Determine current & desired engagement levels



Use stakeholder analysis tools to guide your team's engagement plan







Stakeholder Analysis

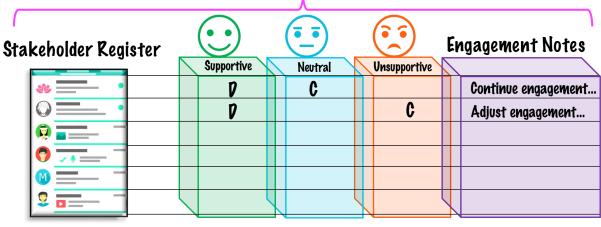




Use stakeholder analysis tools to guide your team's engagement plan

Stakeholder Engagement Assessment Matrix (SEAM)





C = Current engagement level D = Desired engagement level







Kickoff Meeting

Formally end initiating and begin planning



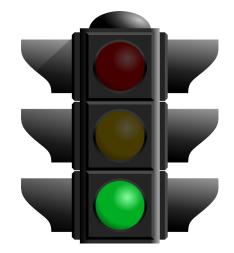
Communicate context of the project

- End state
- Vision
- Context within organization, industry, etc.

Collaboratively create vision statement

Solidify Project Charter, Team Charter, PM Plan

Introduce key stakeholders







Initiate



Gather useful enablers & resources

Receive initial project documents*





Kick off & begin planning!

Identify & analyze stakeholders



Plan



Section Objectives

Planning Concept Planning Knowledge Areas

- Stakeholder Engagement
- Communications
- Scope
- Schedule
- Cost
- Quality
- Resource
- Risk



Planning Concept

Comprehensive document describing how the project will be managed

- Processes
- Reviews
- Guidelines
- Approach/Life Cycle

Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

Plan

Project

Management

Component Management Plans

Benefits

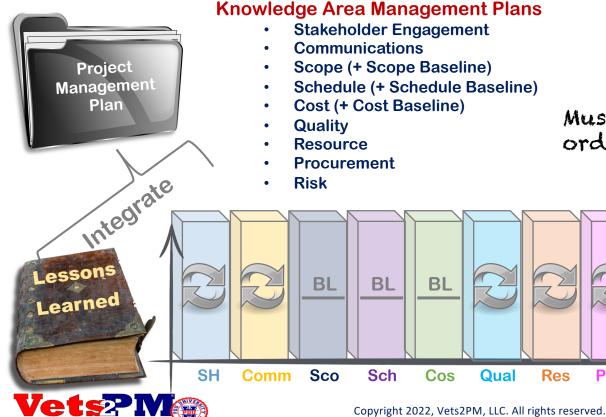
Reminder

- Requirements
- Change
- Configuration



DOCUMENTS

Planning Concept



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Must build a sufficient plan in order to execute!

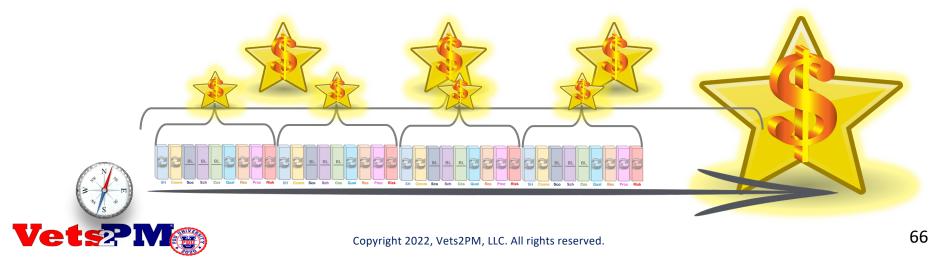
Risk

Proc

Planning - Agile



- Iteration/Sprint Planning Long-term conceptual plan Short-term detailed plan Allows administrative & productive changes Uses premise of "Rolling Wave Planning"





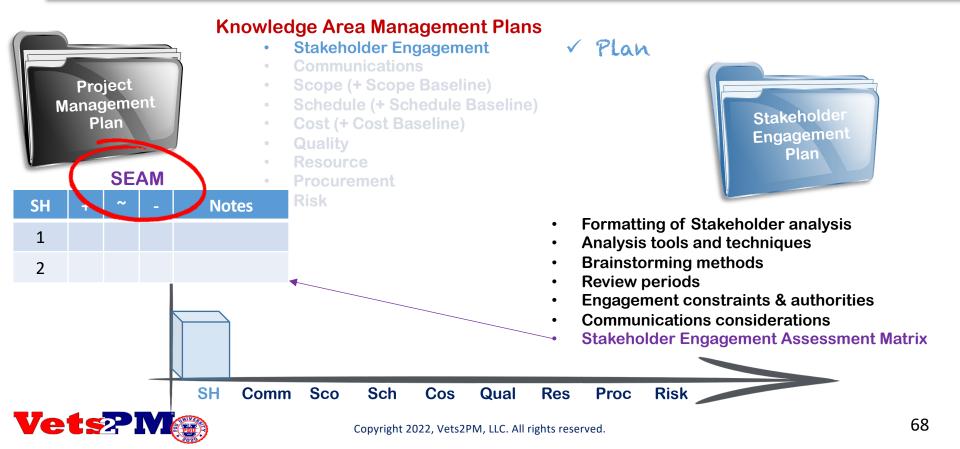
Knowledge Area Management Plans

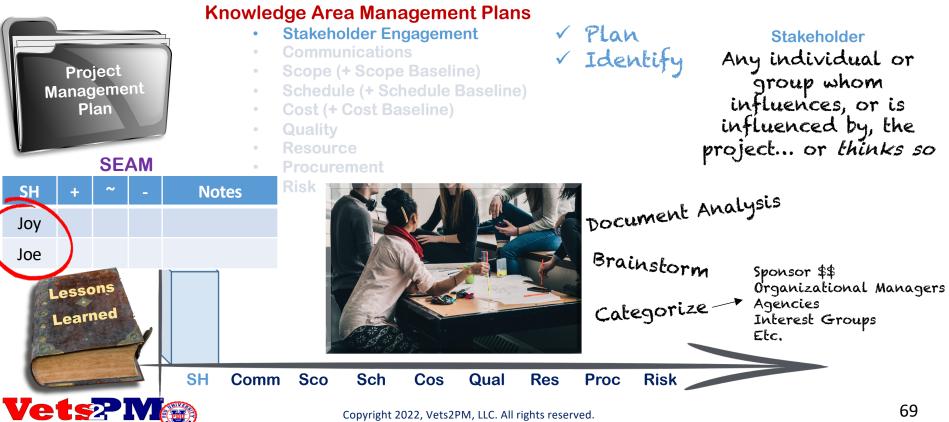
- **Stakeholder Engagement** •
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)**

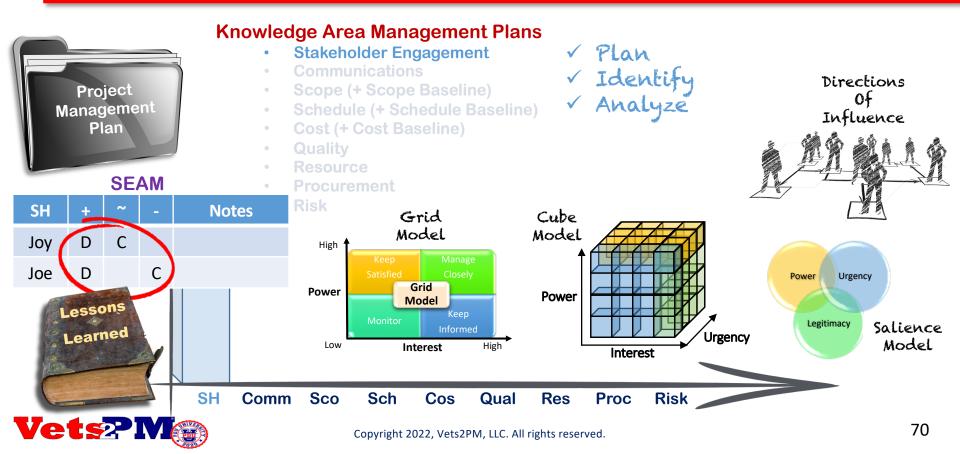
- **Procurement**

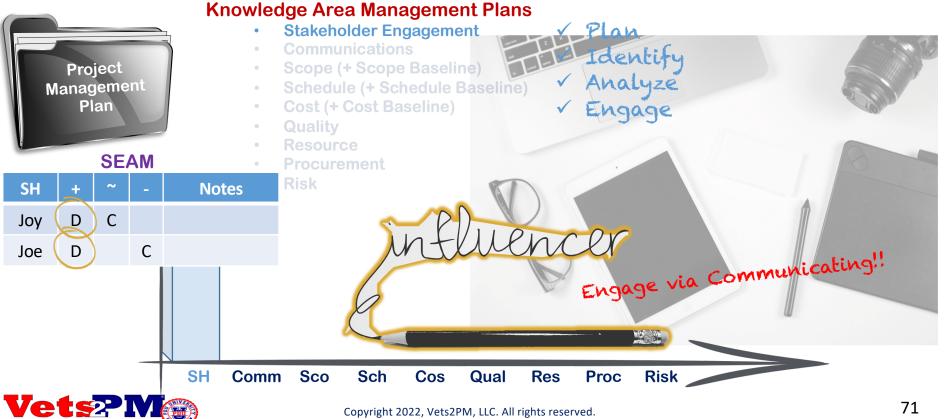
- ✓ Plan
- ✓ Identify✓ Analyze
- Engage
- ✓ Assess
- Adjust
- ✓ Iterate!

SH Comm Sco Sch Cos Qual Risk Res Proc **Vet**s? Copyright 2022, Vets2PM, LLC. All rights reserved.











Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •

SEAM

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Cost (+ Cost Baseline)

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- **Procurement**

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- ✓ Plan
- ✓ Identify✓ Analyze
- Engage
- ✓ Assess

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Notes

Stakeholder Engagement



Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)

SEAM

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Cost (+ Cost Baseline)

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- Quality
- Resource
- Procurement

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- √ Plan
- Identify
- Analyze
- ✓ Engage
- ✓ Assess
- 🗸 Adjust

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Stakeholder Engagement

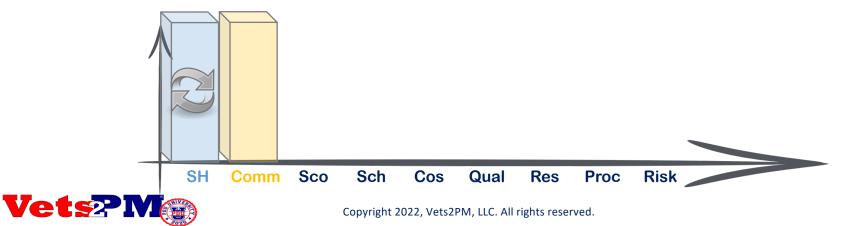




- **Stakeholder Engagement**
- **Communications** •
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)**

- **Procurement**
- Risk

- ✓ Plan
- ✓ Communicate
- ✓ Assess
- ✓ Adjust✓ Iterate!





Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

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• Risk



- Formatting of Communications Plan
- Analysis tools and techniques (SH requirements)
- Brainstorming methods
- Review periods

Proc

✓ Plan

- Communications constraints & authorities
- Communications considerations

Risk

Technologies to be used



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Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

Sco

• Risk

- √ Plan
- ✓ Communicate
- Assess





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Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource

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- Procure
- Risk



- √ Plan
- ✓ Communicate
- Assess
- 🗸 Adjust



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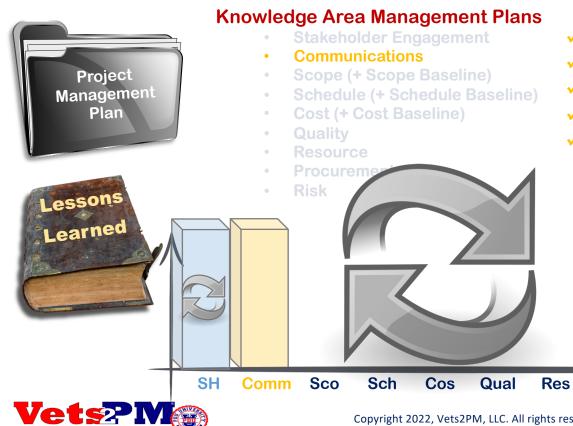
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Risk

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Plan C



- ✓ Plan
- ✓ Communicate

Risk

- ✓ Assess
- Adjust
- ✓ Iterate!

Proc





- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

BL

- ✓ Plan
- ✓ Identify Requirements
 ✓ Write Scope Statement
 ✓ Decompose WBS

- Build WBS Dictionary
- ✓ Compile <u>Scope Baseline</u>
 ✓ Control Changes

Risk

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- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

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• Risk



- Formatting of the Scope Management Plan
- Brainstorming location/techniques
- Requirements Management Plan

✓ Plan

- Scope Statement format/archival
- Work Breakdown Structure (WBS) format/archival
- WBS Dictionary format/archival
- Scope Baseline format/archival

Risk

Scope Baseline change requirements/authorities



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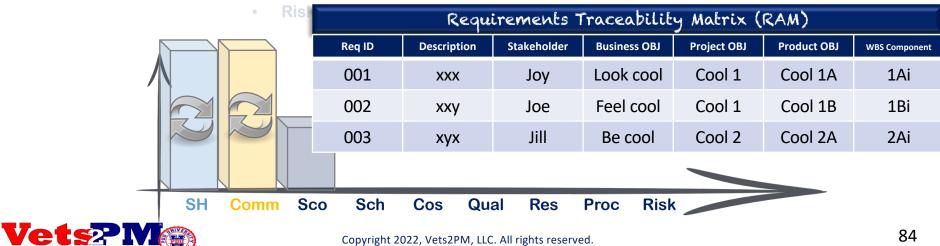




- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

√ Plan

"Traces" requirements to interested stakeholders, project objectives, etc.







- **Stakeholder Engagement**
- Scope (+ Scope Baseline) ٠
- **Schedule (+ Schedule Baseline)**
- **Cost (+ Cost Baseline)**

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- ✓ Plan
- ✓ Identify Requirements✓ Write Scope Statement

Project: Project Manager: Version: **Project Description: Product Description:** Acceptance Criteria:

Risk

A written, detailed description of the requirements that made the "final cut" into the project and product, including all acceptance criteria.



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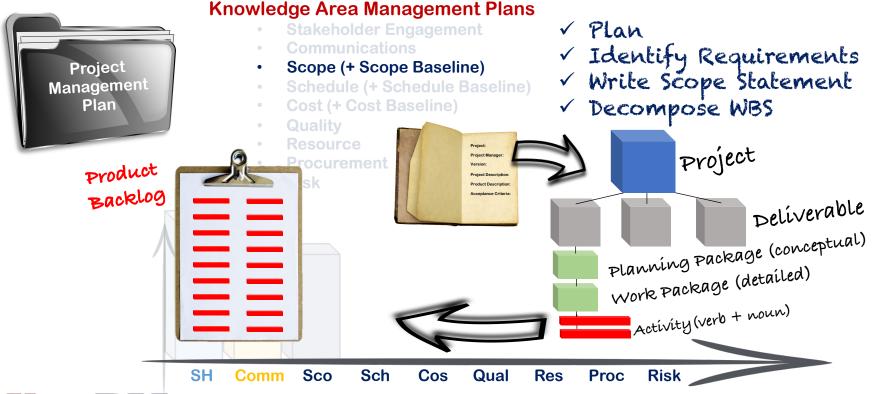
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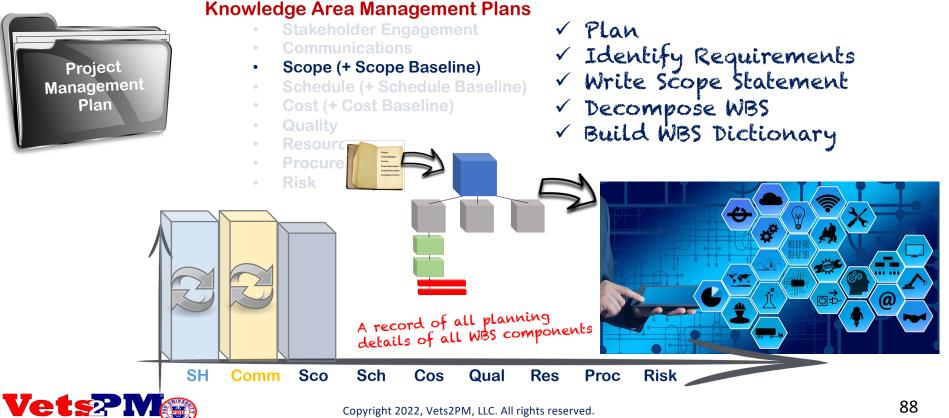
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Scope - Agile

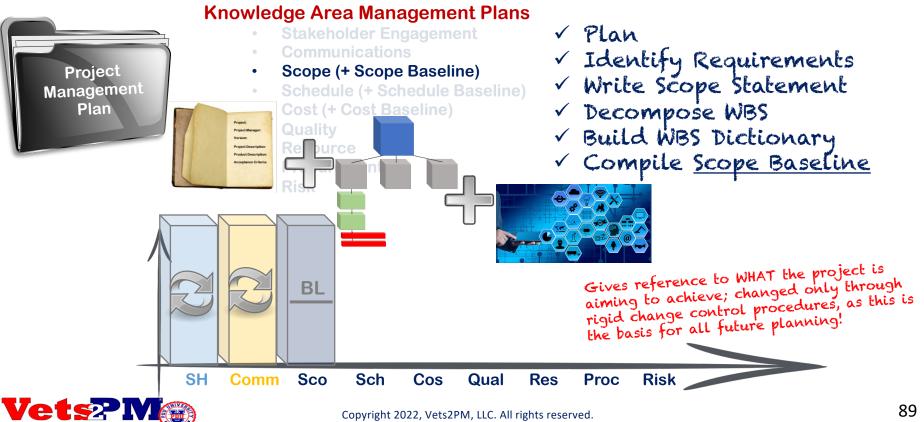




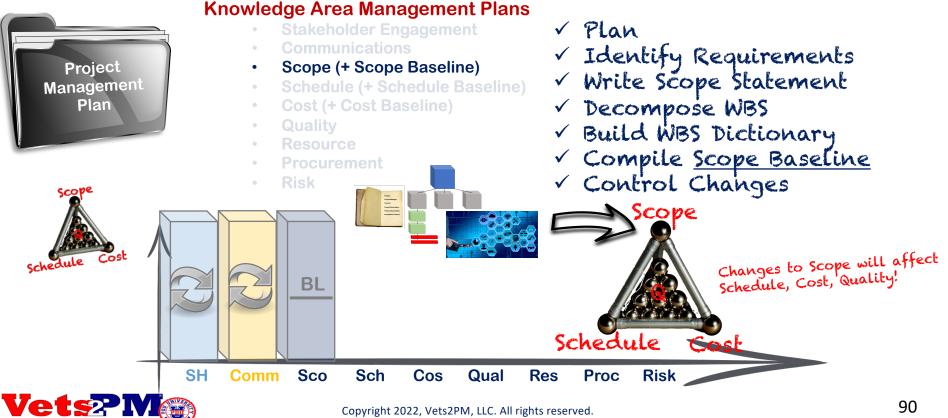










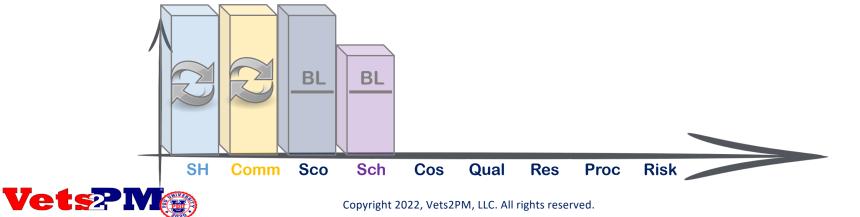




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram
- ✓ Compile <u>Schedule Baseline</u>
 ✓ Control Changes





Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

Comm

Sch

• Risk



- Formatting of the Schedule Management Plan
- Brainstorming location/techniques

V Plan

- Schedule models, formats, technology/software
- Schedule (Baseline) format/archival

Risk

Schedule Baseline change requirements/authorities



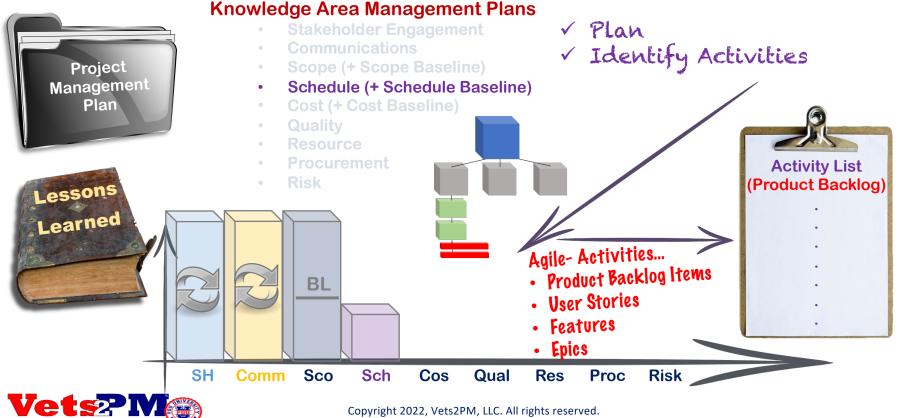
SH

Qual

Res

Proc

Cos





Knowledge Area Management Plans

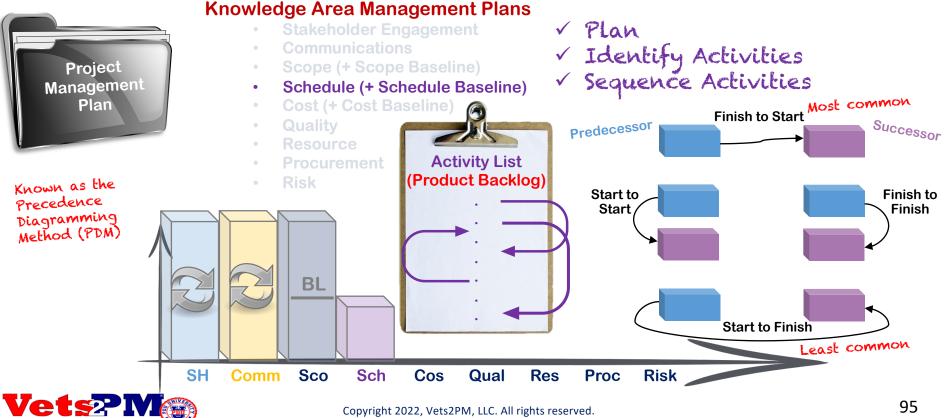
- Schedule (+ Schedule Baseline)
- ✓ Plan
- Identify Activities



Res

Proc

PDU





Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

BL

Sco

Sch

Risk

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations





SH

Comm

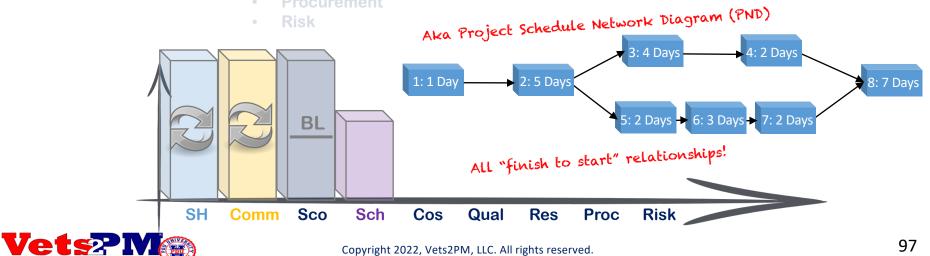
Cos



- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram

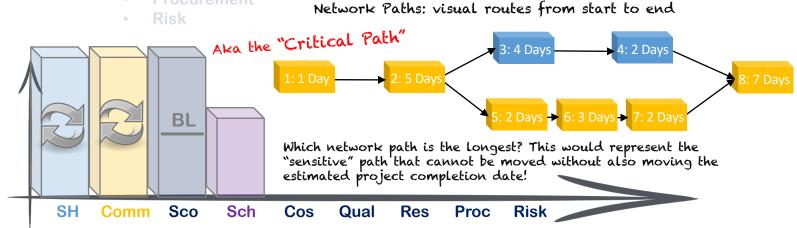




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram



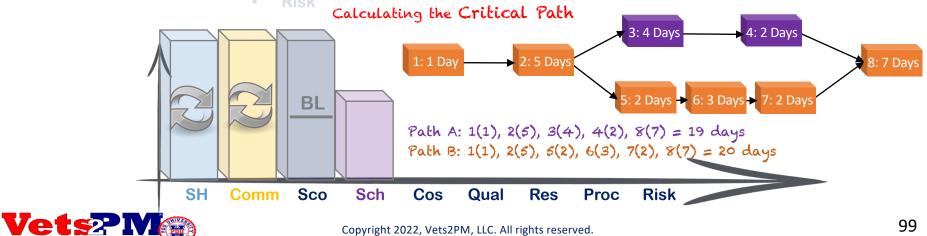




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram





Knowledge Area Management Plans

- **Stakeholder Engagement**
 - Scope (+ Scope Baseline)

Schedule (+ Schedule Baseline)

- **Cost (+ Cost Baseline)**

- ✓ Plan
- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram





8: 7 Davs



Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)

Schedule (+ Schedule Baseline)

- **Cost (+ Cost Baseline)**

- ✓ Plan
- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram



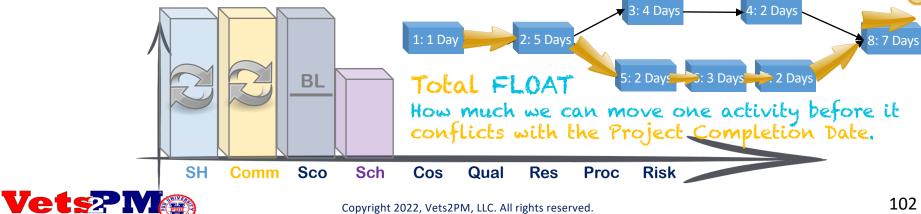




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram



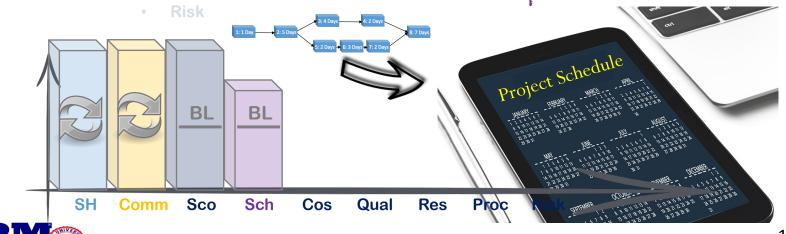


- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- **Procurement**

- ✓ Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram
- ✓ Compile <u>Schedule Baseline</u>







Schedule Cost

Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)

BL

Sch

- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

BL

Sco

Comm

✓ Plan

Schedule

Proc

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram
- ✓ Compile <u>Schedule Baseline</u>
 ✓ Control Changes

Scope

Risk

Changes to Schedule will affect Scope, Cost, Quality!

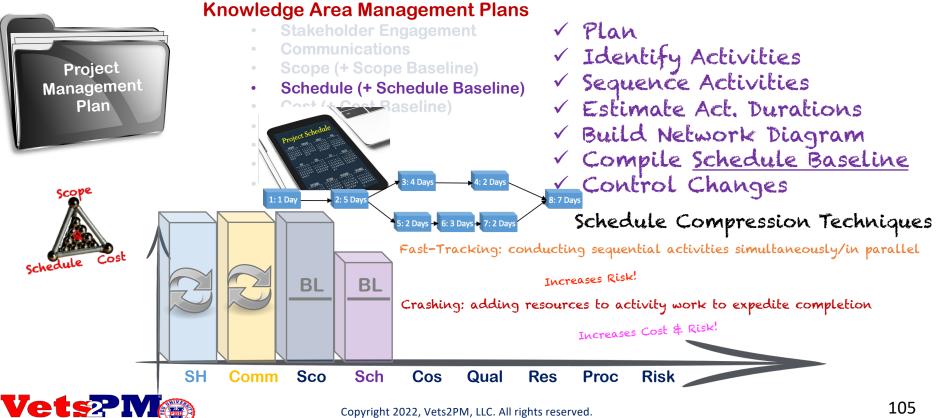


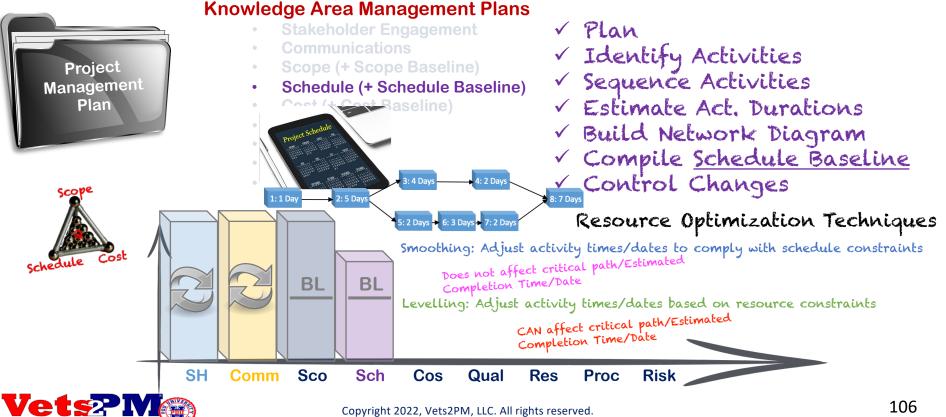
SH

Qual

Res

Cos





Schedule - Agile



Vets?M@

Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

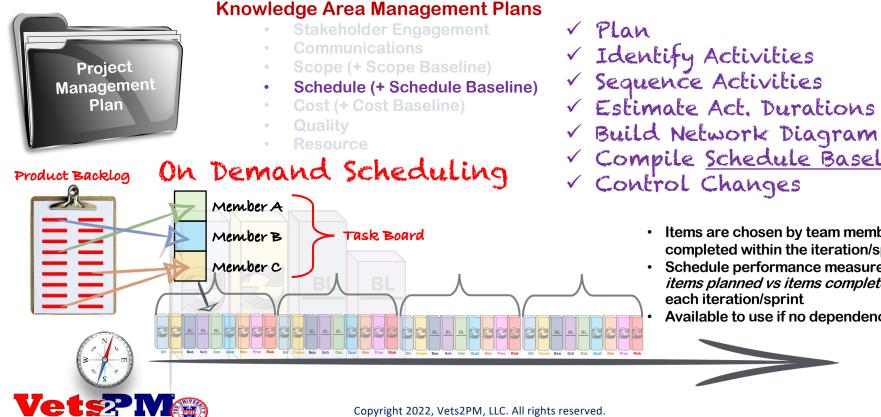
Product Backlog

Iterative Scheduling

- V Plan

- ✓ Identify Activities
 ✓ Sequence Activities
 ✓ Estimate Act. Durations
- Build Network Diagram
- ✓ Compile <u>Schedule Baseline</u>
 ✓ Control Changes
- - Items are collaboratively prioritized ٠ completed within the iteration/sprint
 - Schedule performance measured by items planned vs items completed within each iteration/sprint

Schedule - Agile



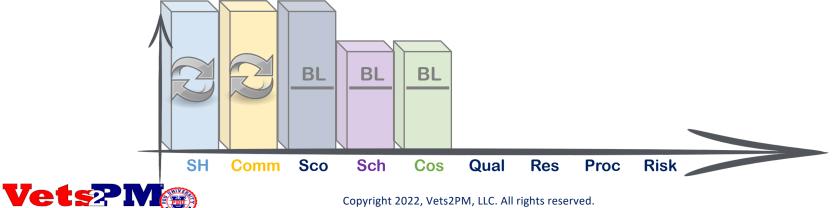
- Build Network Diagram
- ✓ Compile <u>Schedule Baseline</u>
 ✓ Control Changes
- - Items are chosen by team members to be completed within the iteration/sprint
 - Schedule performance measured by items planned vs items completed within each iteration/sprint
 - Available to use if no dependences exist





- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- **Schedule (+ Schedule Baseline)**
- **Cost (+ Cost Baseline)** •

- ✓ Plan
- ✓ Estimate Costs (Act./WP.)
- ✓ Aggregate Costs
- ✓ Compile <u>Cost Baseline</u>
 ✓ Control Changes

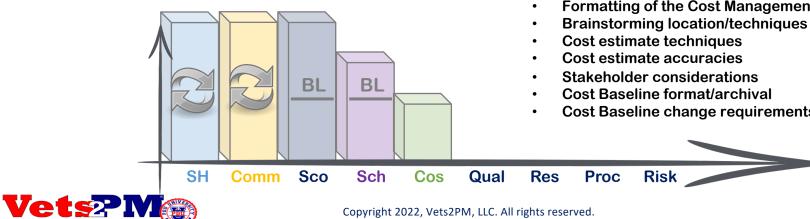






- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)** .

- **Procurement**



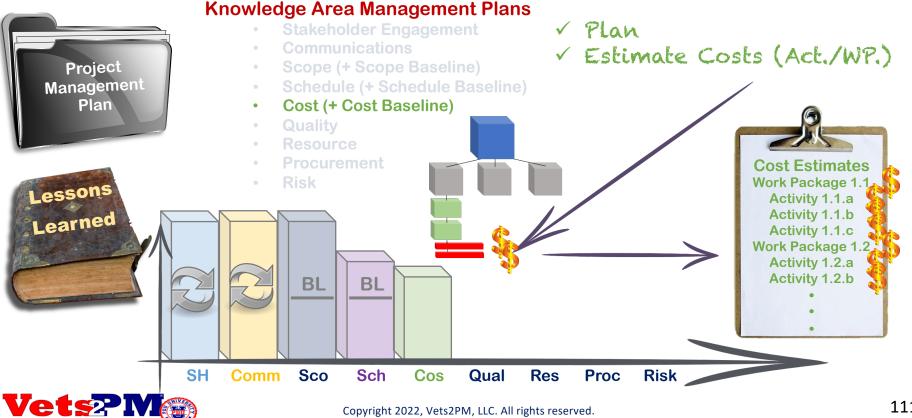


Formatting of the Cost Management Plan

V Plan

Cost Baseline change requirements/authorities









- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

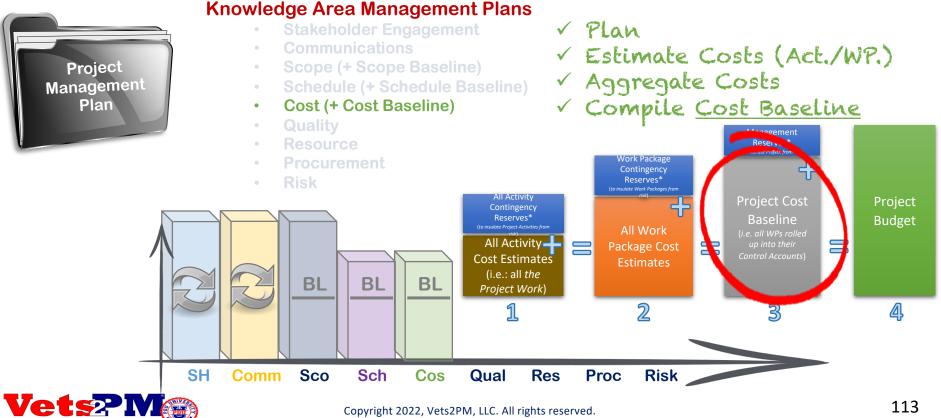
√ Plan

✓ Estimate Costs (Act./WP.)









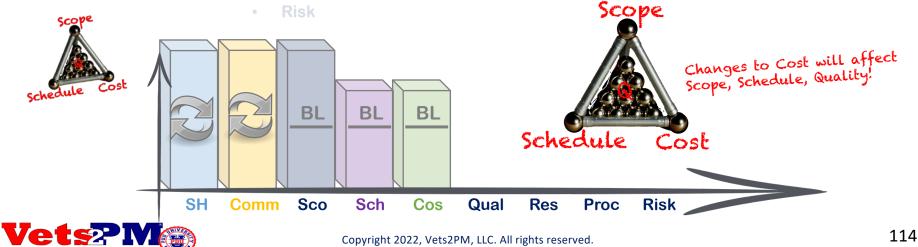
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- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- **Schedule (+ Schedule Baseline)**
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

- √ Plan
- ✓ Estimate Costs (Act./WP.)
- ✓ Aggregate Costs
- ✓ Compile <u>Cost Baseline</u>
- Control Changes



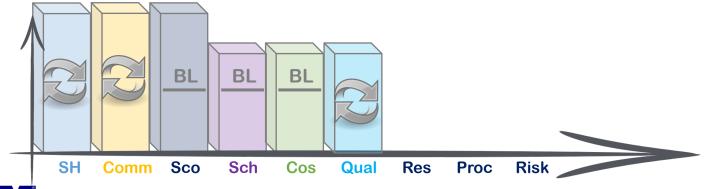




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)**
- Quality
- **Procurement**

- V Plan
- ✓ Determine Quality Standards
 ✓ Manage Quality
 ✓ Control Quality

- ✓ Assess
- Adjust
- ✓ Iterate!









- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

Comm

• Risk



- Formatting of the Quality Management Plan
- Brainstorming location/techniques
- Quality metrics

Proc

V Plan

- Quality tools to be used
- Stakeholder considerations
- Deliverable validation requirements

Risk

Quality standard change requirements/authorities

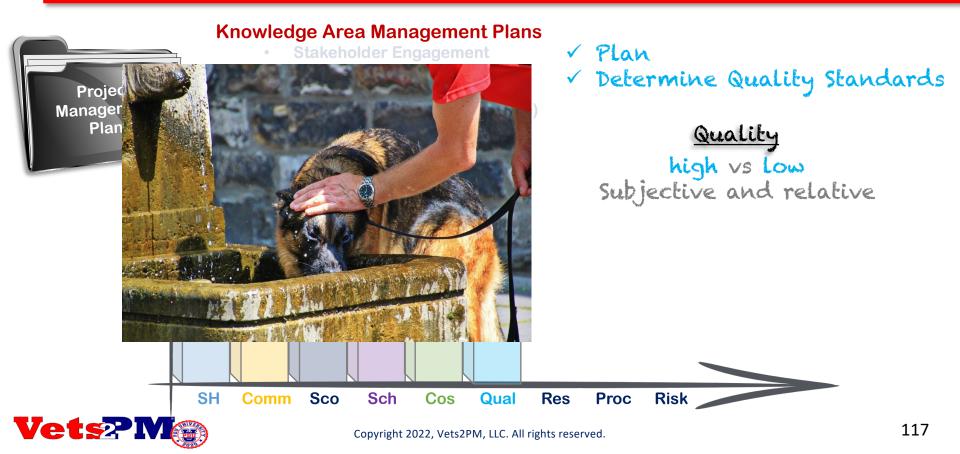


SH

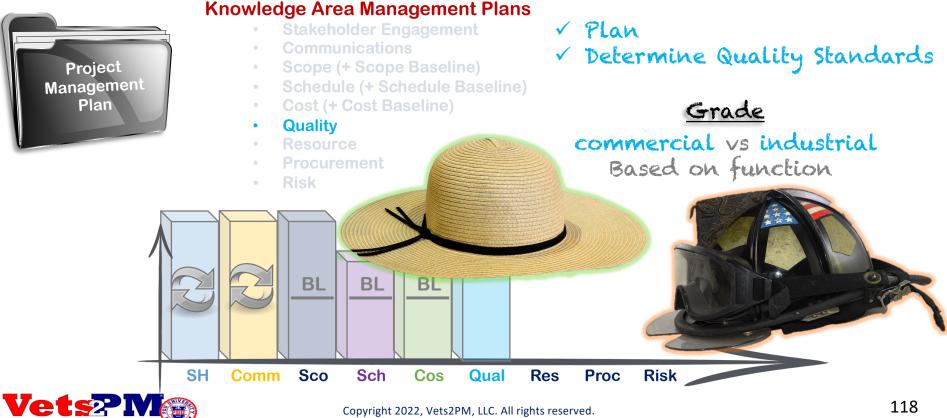
Qual

Res

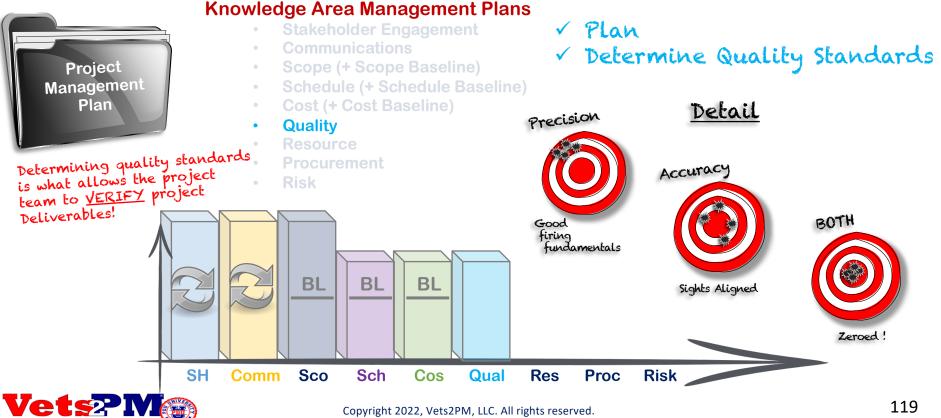








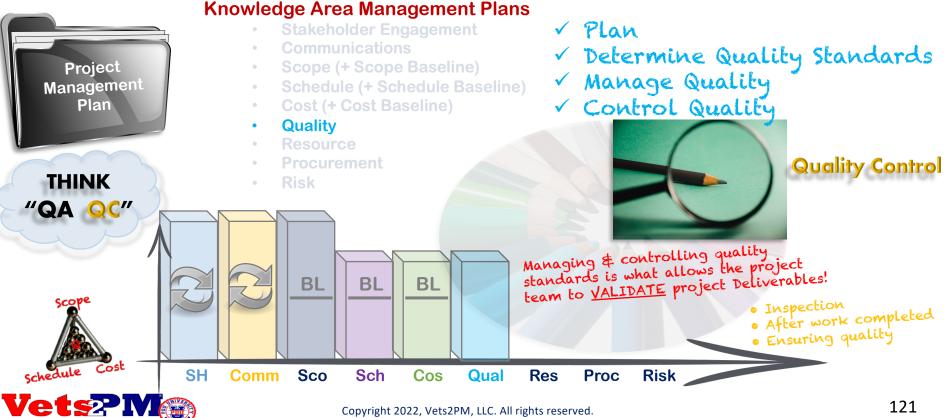




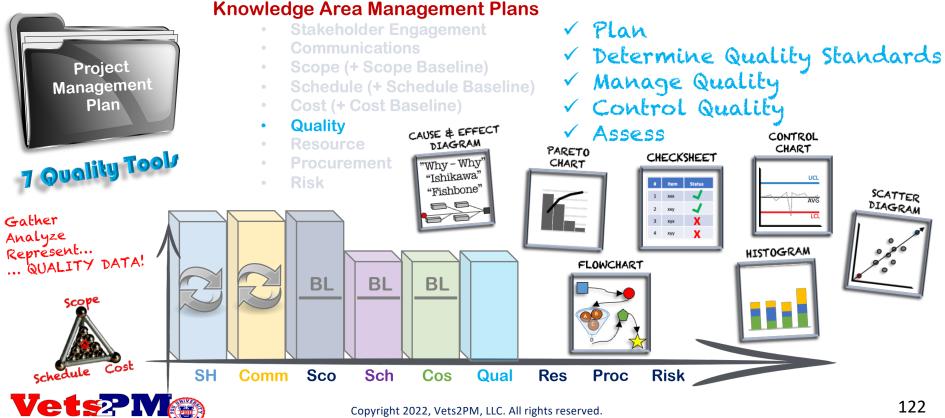
















Vets**?**

Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**
- Quality

William Smith Jr.

- Six Sigma · Focus on removing
- defects from a system to
- scope improve quality

· Known as the "father of Total Quality Management" (TQM)

Joseph Juran

- "Juran Quality Trilogy"
- · Quality approached
- with planning, control, and improvement

- ✓ Plan
- Determine Quality Standards
- Manage QualityControl Quality
- ✓ Assess

William Deming

· Focus on quality

actually reduces costs

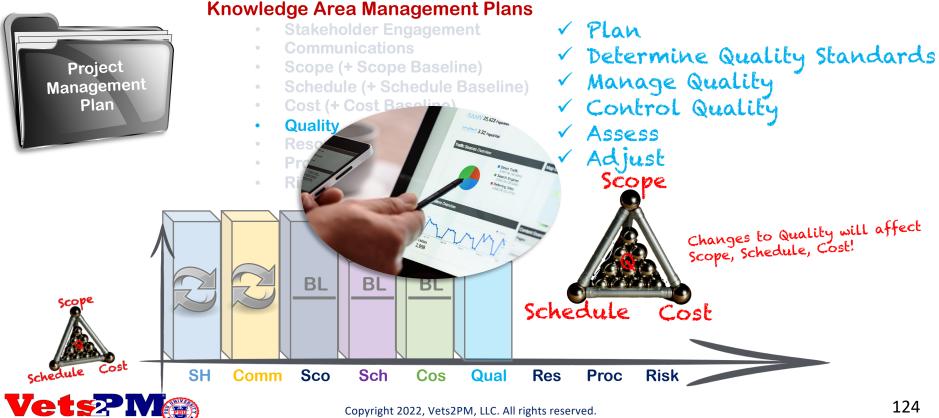
Philip Crosby

- Quality arises from a commitment to avoid errors
- Aim to achieve a goal of "zero defects"

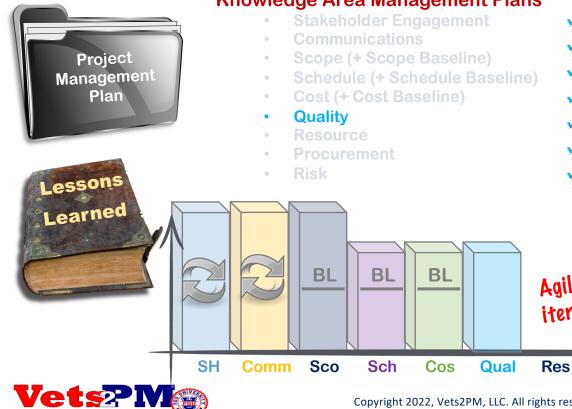
Genichi Taguchi

- Design quality into production
 Minimize deviations from
- standards
- · Gauge CoQ from those deviations









- V Plan
- ✓ Determine Quality Standards
- ✓ Manage Quality
- Control Quality

Risk

- ✓ Assess
- Adjust
- ✓ Iterate!

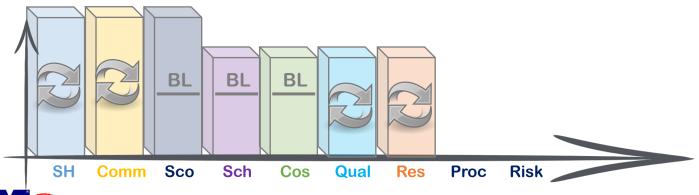
Agile - repeat each iteration/sprint!

Proc



- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

- Plan
- ✓ Identify Resources
- ✓ Secure Resources
- ✓ Monitor Resource Use
- Adjust
- ✓ Iterate!







Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

• Risk



- Formatting of the Resource Management Plan
- Brainstorming location/techniques
- Resource Breakdown Structure format
- Resource Calendars/Work Schedules
- Stakeholder considerations

Risk

√ Plan

Resource change requirements/authorities

SH

Comm

Qual

Res

Proc

SH

Comm



Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Human Resources Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)**
- **Resource**

BL

Sco

Risk

Qual

Res

Proc

Risk

✓ Plan

✓ Identify Resources

Material Resources



Knowledge Area Management Plans

- **Stakeholder Engagement**

 - Scope (+ Scope Baseline)
 - **Schedule (+ Schedule Baseline)**
 - **Cost (+ Cost Baseline)**

BL

Sco

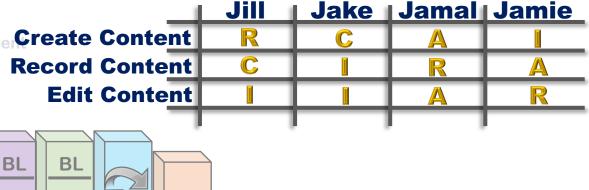
Sch

- Resource **Create Content**
- Risk

✓ Plan

✓ Identify Resources

RACI Chart



Risk



SH

Comm

Qual

Res

Proc

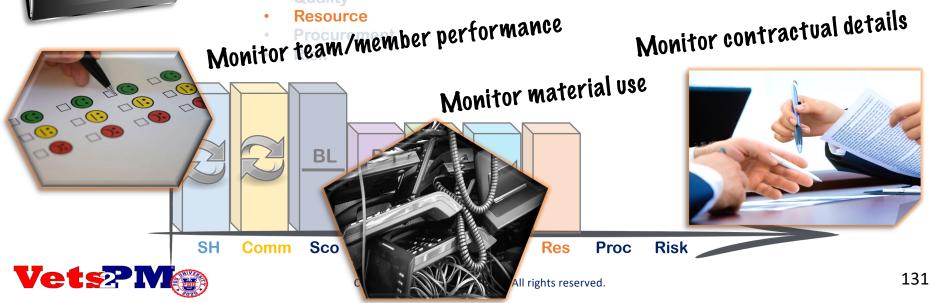
Cos

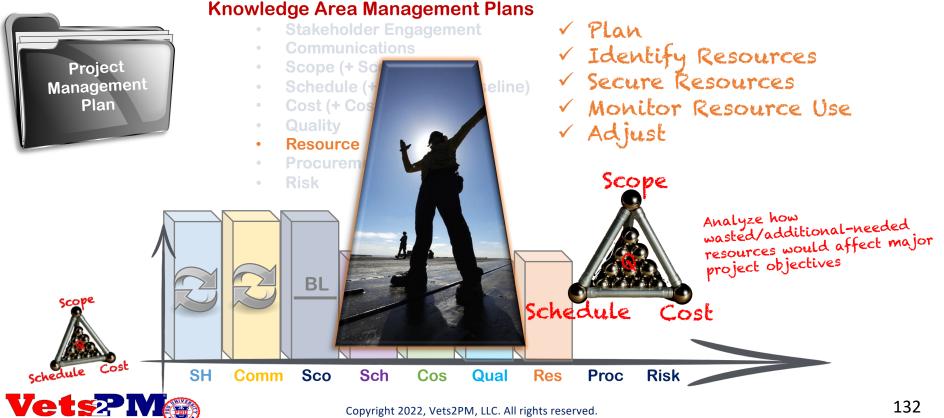


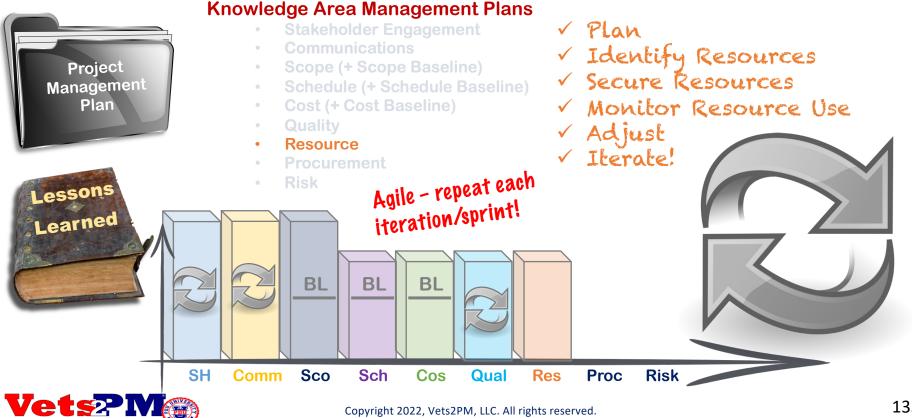


- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- √ Plan
- ✓ Identify Resources
- ✓ Secure Resources
- ✓ Monitor Resource Use





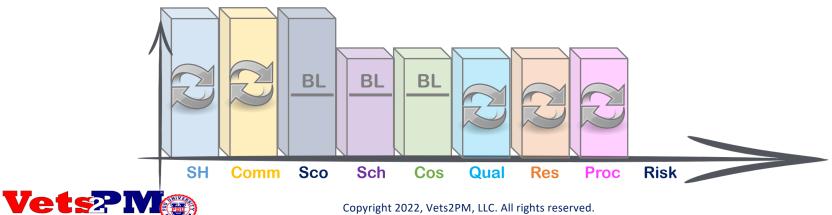




- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline) •
- **Cost (+ Cost Baseline)**

- **Procurement**
- Risk

- V Plan
- ✓ Procure
- ✓ Monitor Contracts
- Adjust
- √ Therate!





Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

• Risk



- Formatting of the Procurement Management Plan
- Brainstorming location/techniques
- Contract negotiators/Stakeholder considerations
- Contract change requirements/authorities

V Plan

SH

Comm

Qual

Res

Proc

Risk



Vets

Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

√ Plan

Procure

Make/Buy Analysis Statement of Work (SOW) Bidder Conference Source Selection Criteria Qualified Vendors





Knowledge Area Management Plans

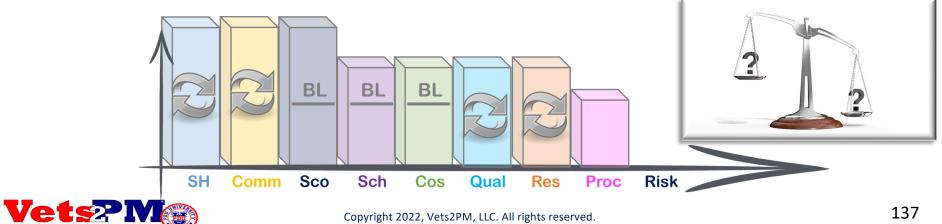
- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- **Schedule (+ Schedule Baseline)**
- **Cost (+ Cost Baseline)**

- **Procurement**

- ✓ Plan
- ✓ Procure

Make/Buy Analysis

- Can the team complete the \geq work of the project/product?
- Does the team need to contract \geq all or some of the work?





Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- **Schedule (+ Schedule Baseline)**
- **Cost (+ Cost Baseline)**

- **Procurement**
- Risk

V Plan

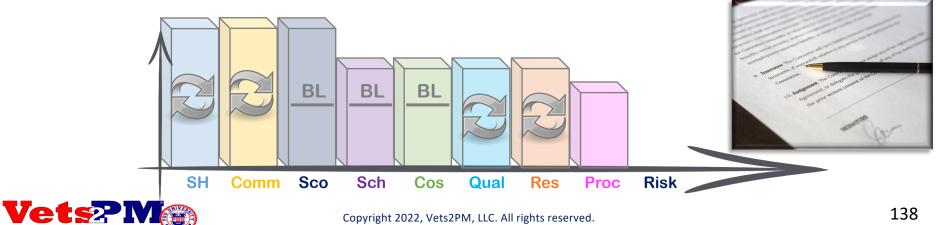
✓ Procure

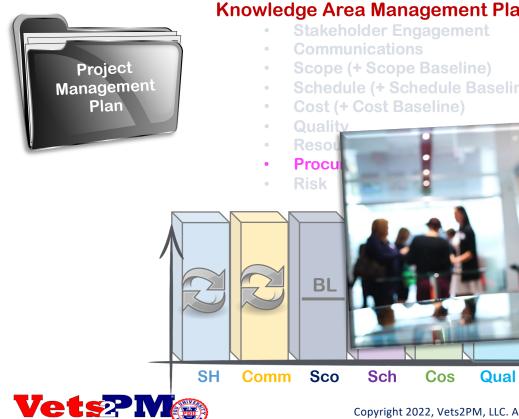
Statement of Work (SOW)

> Details the

product/service/result needed

- for source consideration
- Based on the Scope Baseline





Knowledge Area Management Plans

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- **Schedule (+ Schedule Baseline)**
- V Plan
- ✓ Procure

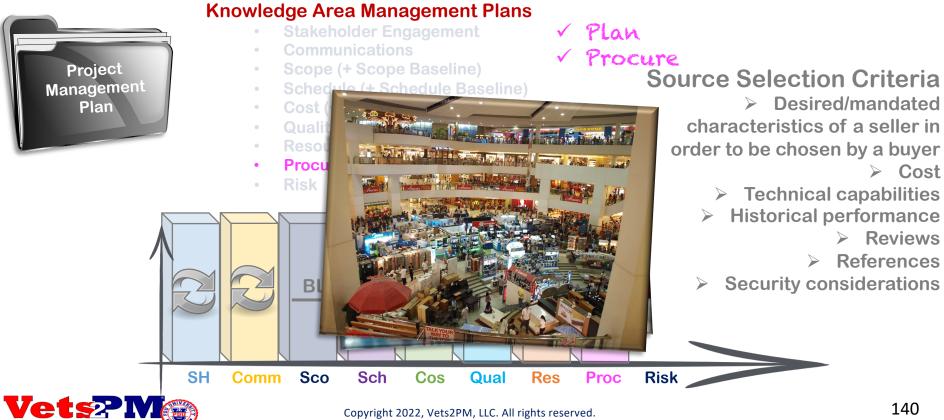
Risk

Bidder Conference

- **Meetings with prospective** sellers (providers)
 - > Virtual or physical
 - Goal to ensure collective \geq understanding of
- product/service/result desired
- **Tool of professional fairness**

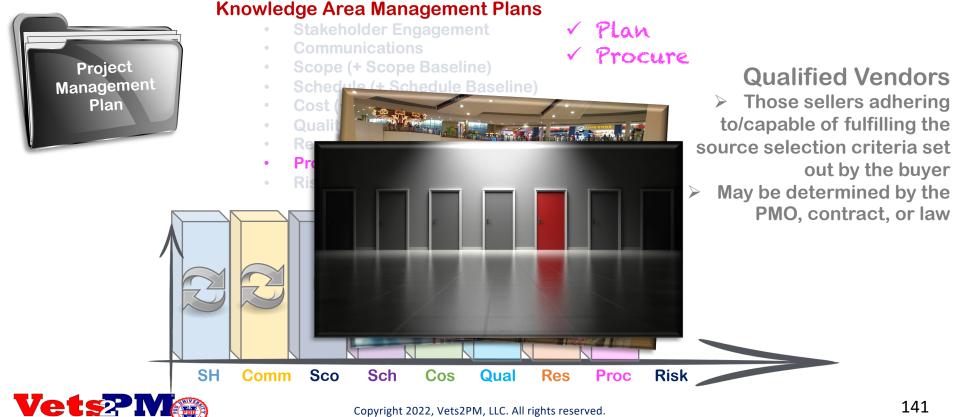
Res

Proc



> Cost

> Reviews > References





- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- **Quality**
- Resource
- Procurement
- Risk
- Traditional:
- Fixed-Price
- Cost-Reimbursable
- Time & Materials (T&M)



- ✓ Procure
- Monitor Contracts

- Fixed amount paid for a product/service/result, regardless of cost
- Useful when detailed scope is known
- Low risk to the buyer (higher for seller)





Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- **Quality**
- Resource

Procurement

Risk

Traditional:

- Fixed-Price
- Cost-Reimbursable
- Time & Materials (T&M)

- √ Plan
- ✓ Procure
- Monitor Contracts

- Payment to the seller for the cost of creating the product/service/result, plus a fee (profit)
- May include incentives
- Useful when characteristics of the work may be unknown
- Increased risk to the buyer (lower for seller)





Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- **Quality**
- Resource
- Procurement

P Risk

Traditional:

- Fixed-Price
- Cost-Reimbursable
- Time & Materials (T&M)

- √ Plan
- ✓ Procure
- Monitor Contracts

 Combines Fixed-Price & Cost-Reimbursable
 Fixed amount to be paid, plus cost reimbursement May include constraints on time/payment
 Useful with many unknown work characteristics
 Highest risk to the buyer (lowest for seller)





- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- Procurement

- V Plan
- ✓ Procure
- ✓ Monitor Contracts

- <u>Agile:</u> Capped Time & Materials Target Cost Contracts Incremental Delivery Contracts
- Fixed amount to be paid, plus reimbursement of costs 0
- **Upper limit set for payment** 0
- May include constraints on time/payment 0
- Useful with many unknown work characteristics 0





- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- **Procurement**

- V Plan
- ✓ Procure
- ✓ Monitor Contracts
- <u>Agile:</u> Capped Time & Materials Target Cost Contracts Incremental Delivery Contracts
- **Fixed** final price agreed by buyer and seller 0
- **Produce value early and often within target cost** 0
- Additional fees possibly applied if budget exceeded 0





ets2

- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)

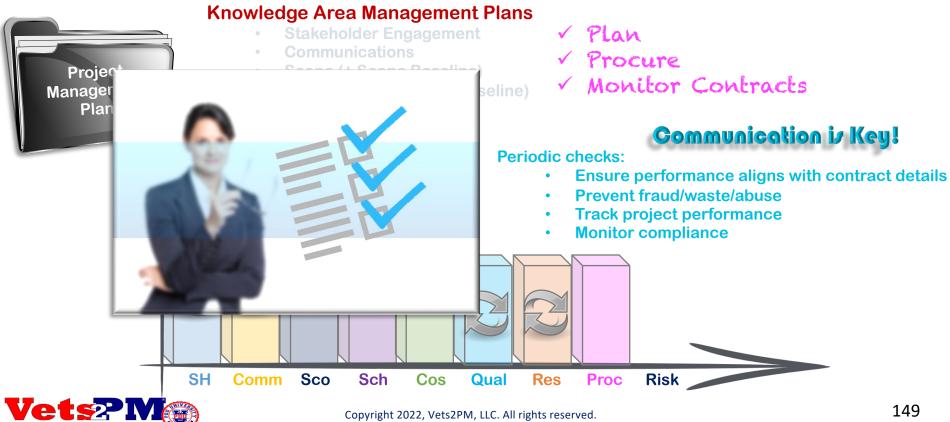
- Procurement

- V Plan
- ✓ Procure
- ✓ Monitor Contracts
- Agile: Capped Time & Materials Target Cost Contracts Incremental Delivery Contracts
- **Contracts assessed periodically along with project** progress (as value is delivered)
- Buyers may make changes, additions, or subtractions as needed (or terminate)
- Ideal for rapidly-changing environments/unknown buyer requirements/desires



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Agile:













Learned

Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

• Risk

- √ Plan
- ✓ Procure
- Monitor Contracts

Risk

- 🗸 Adjust
- ✓ Iterate!
- Agile repeat each iteration/sprint!

Proc



SH

Comm

Qual

Res



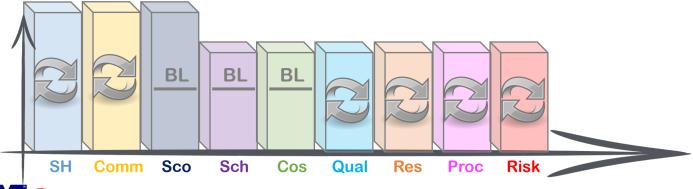


- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- **Procurement**
- **Risk** ٠

- √ Plan
- ✓ Assess SH Risk-View

- Identify Risks
 Analyze Risks
 Plan Responses
 Adjust
 Iterate!









- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)

BL

Sch

BL

Cos

- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement

BL

Sco

Risk



- Formatting of the Risk Management Plan
- Brainstorming location/techniques
- Timeframe of risk planning

✓ Plan

- Categories, analysis techniques
- Tracking, reporting, monitoring
- Authority to initiate responses

SH

Comm

Qual

Res

Proc

Risk





- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- **Procurement**

✓ Plan

Rick = An uncertainty that can affect project objective/

Trigger = indicates risk materializing

Response = planned action to address risks













- Stakeholder Engageme
- Communications
- Scope (+ Scope Basel
- Schedule (+ Schedule 3ase
- Cost (+ Cost Baseline
- Quality
- Resource
- Procuremen
- Risk

✓ Plan ✓ Assess SH Risk-View

What's the most beneficial way to address risk for the current project?

View risk from where it originates "best defense is a good offense"



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Knowledge Area Management Plans

- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

√ Plan

ost

✓ Assess SH Risk-View

How do you, the team, and SHs see risk?

"Source-based Risk"

View risk from

"best defense is a good offense"

the source

View risk by the effect is has on project dynamics "defensive"



Schedule

Scope





- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

- √ Plan
- ✓ Assess SH Risk-View
- How do you, the team, and SHs see risk?

Rizk Appetite

The degree of uncertainty one is willing to accept for a reward

Risk is planned here!

Rizk Threshold

The level of risk *above* which they are *addressed*, *below* which they are *accepted*

Rizk Tolerance

The max amount of risk one is willing to *accept*





- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

Known-Unknown/

Known (something known *may* happen) Unknown (but it's yet unknown if it *will)*

Unknown-Unknowns

Unknown (something unidentifiable) Unknown (unforeseeables



- 🗸 Plan
- ✓ Assess SH Risk-View
- Identify Risks

Assess risk of all knowledge area plans! Integration Stakeholders Communication Scope Schedule Cost Quality Resource Procurement

160











- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)

- Risk

Expected Monetary Value (EMV) = P * 1

- P is the *probability* of occurrence ٠
- I is the *impact* of occurrence ٠
- Used to prioritize risks for response planning ٠ This is how to calculate the Contingency Reserves for the Cost Baseline!

- - √ Plan
 - ✓ Assess SH Risk-View
 - ✓ Identify Risks✓ Analyze Risks

		R	isk Register
-	1		
			\$1110\$1110\$1110\$1110\$1110\$1110
			&///P&///P&///P&///P&///P
			\$1110\$1110\$1110\$1110\$1110\$1110\$





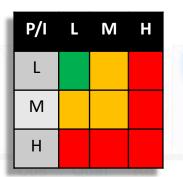
- **Stakeholder Engagement**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- **Cost (+ Cost Baseline)**

- Risk

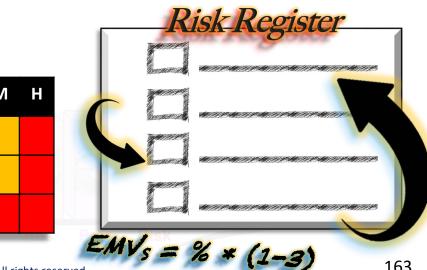
Qualitative Risk Analysis

- Quick & Subjective (P and I can be Low, Medium, High, expressed numerically as 1, 2, 3)
- Documented on a P & I Matrix •
- Allows prioritization of risks





- ✓ Plan
- ✓ Assess SH Risk-View
- ✓ Identify Risks✓ Analyze Risks







- Stakeholder Engagement
- Communications
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- Procurement
- Risk

Quantitative Risk Analysis

- Extensive & Objective (P & I are quantified based on historical info, algorithms, etc.)
- Allows refined prioritization of risks
- Can show overall project risk exposure
- Typically software-generated, used when necessary



✓ Plan

✓ Assess SH Risk-View

Risk Register

✓ Identify Risks✓ Analyze Risks









	k		ge Area Manag
Project Management Plan		· () ·	Stakeholder Enga Communications Scope (+ Scope B Schedule (+ Sche Cost (+ Cost Base
	R		Quality Resource gister ant
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		49777194972712489	UPANI PANI PANI P
	herewich	901110-901110-901	110271110211110211110

ement Plans

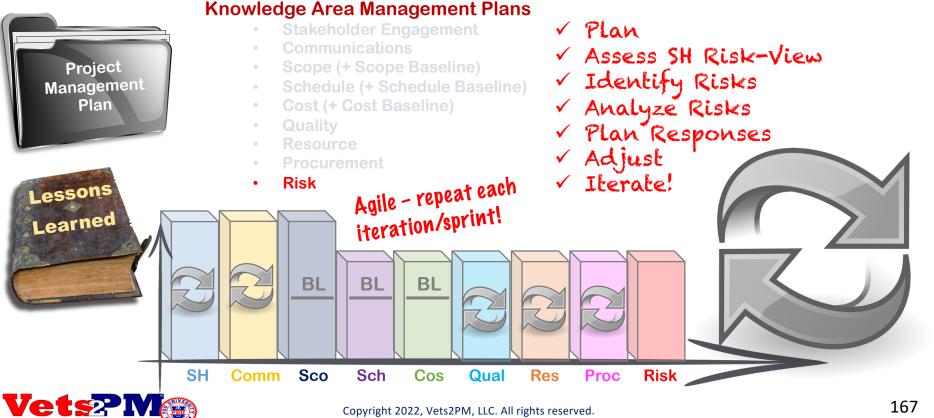
- ✓ Plan
- ✓ Assess SH Risk-View

- Identify Risks
 Analyze Risks
 Plan Responses
 Adjust
- Update the Risk Register ٠
- Update plans accordingly
- Facilitate change ٠
- Stakeholder communication

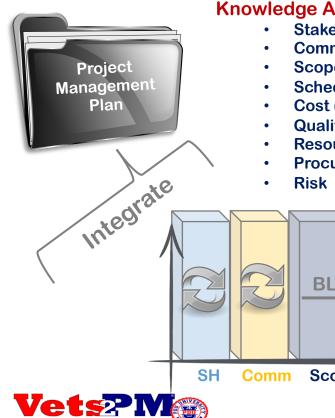








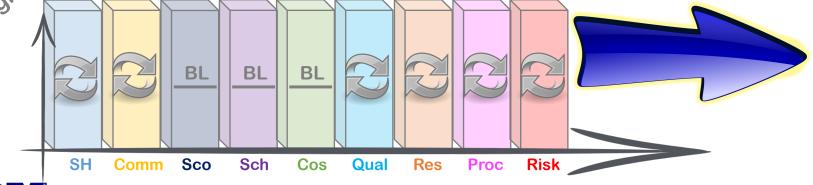
Planning Concepts



Knowledge Area Management Plans

- **Stakeholder Engagement**
- **Communications**
- Scope (+ Scope Baseline)
- Schedule (+ Schedule Baseline)
- Cost (+ Cost Baseline)
- Quality
- Resource
- **Procurement**

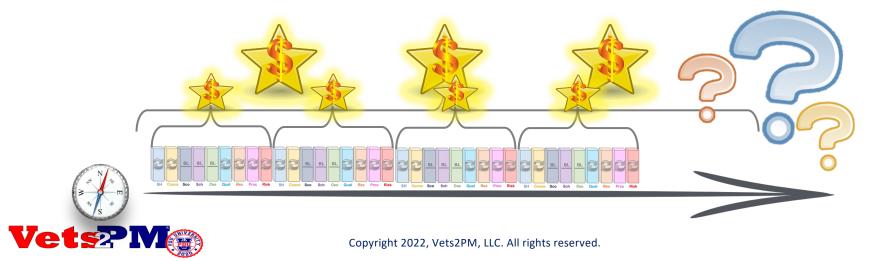
Once all KAs are sufficiently planned, *EXECUTE*!



Planning - Agile



- Iteration/Sprint Planning Long-term conceptual plan Short-term detailed plan Allows administrative & productive changes Uses premise of "Rolling Wave Planning"



Predictive & Agile





Execute & Adjust



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Section Objectives

Execution Concept

- Lead & Manage
- Communicate & Engage
- Performance measurement
 - Project objectives
 - Team & Member Development
- Record issues, conflicts, & proposed changes

Adjust Concept

- Address Issues
- Manage Conflict
- Assess & Implement Change
- Continuously Improve
- Record Lessons Learned



Execution Concept

- Lead & Manage
- Communicate & Engage
- Performance measurement
 - Project objectives
 - Member & Team Development
- Record issues, conflicts, & proposed changes

Lead

Vets?M@

- Use the leadership & management techniques & styles that suit the current team, project, and environment
- Always "lead from the front," take initiative, be diligent, and orient development to yourself before others
- Leadership is different than Management; we seek to master and use techniques from both, when needed

Recognition: Experiential Behavior-focused Unrestricted time period

Motivates by

leadership

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Transformational

Servant Leadership:

> Indirect influence

> Humanistic (relationship-focus)

Focused on vision, end-state, purpose

Remove obstacles

Facilitation focused on growth

Highlight accomplishments

Question/challenge status quo

Manage

- Use the leadership & management techniques & styles that suit the current team, project, and environment
- Always "lead from the front," take initiative, be diligent, and orient development to yourself before others
- Leadership is different than Management; we seek to master and use techniques from both, when needed
- Transactional
- Systematic (process-focused)
- Set/Maintain status quo
- Focused on tasks, goals, results
- Problem-solving, documentation, P&L

Motivates by Reward: Tangible Items Results-focused Defined time period





Communicate

Vets?M@

90% or more of a PM's time is spent COMMUNICATING!

> Seek effective & efficient communications at all times

Email, message, speech, documents, etc.

Simply execute the Communications Management Plan!

Comms Model

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NOISE "

Engage

Communicate sparingly, so communicate only to Stakeholders

> Execute the Stakeholder Engagement Plan (SEAM*)

> > Aim is to influence Stakeholders from current to desired engagement level



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Use empathy and communication to SEAM SH + - Notes Joy D C Joe D C C

Urgency

Salience Model

(multiple dimensions)

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Interest

Urgency

Legitimacv

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Performance Measurement

As project work is completed, we measure performance to ensure alignment with project objectives and Sponsor/Customer's desired end-state

- Observe
- Assess
- Report

Measure Value of project work: > Earned Value Management (EVM)

> Status Reports

Vets?M@

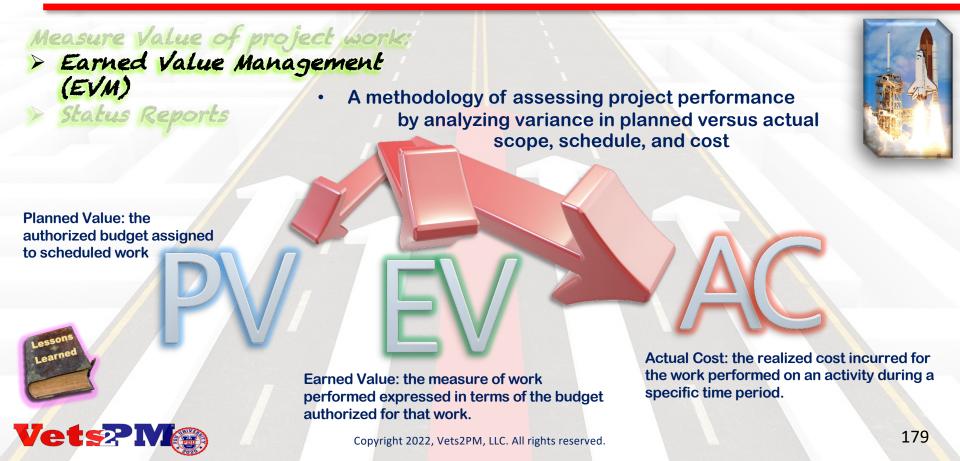


Measure progress of Team/Member Development: > Key Performance Indicators

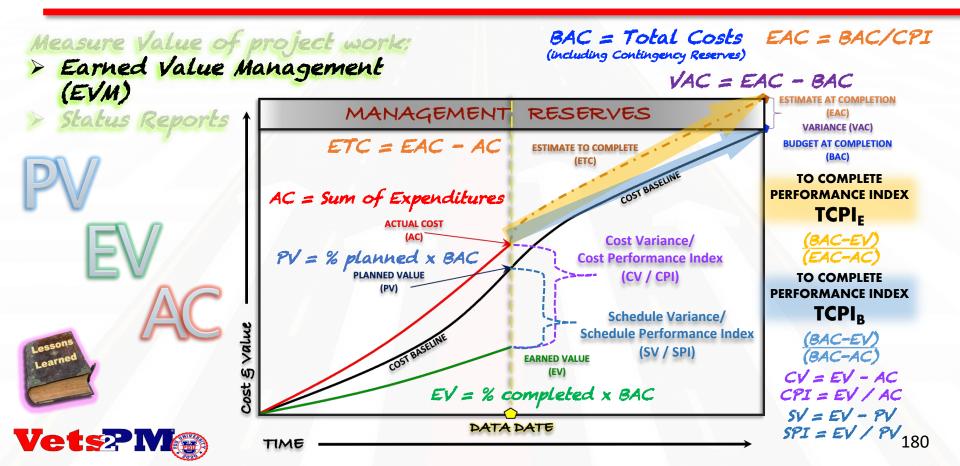
(KPIs)

> Tuckman's Ladder

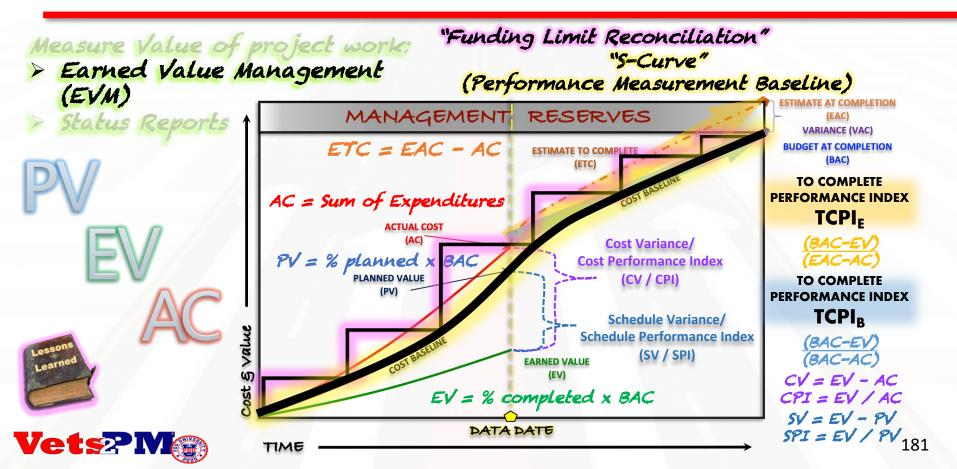
Earned Value Management



Earned Value Management



Earned Value Management



Member Development

Measure progress of Team/Member Development:

Any metric used to assess progress toward a goal

- Key Performance Indicators (KPIs)
- Tuckman's Ladder

- Individual performance assessments from Project Charter
- Conduct individual mentoring & coaching
- Conduct at timely and consistent intervals
- Promote positive climate
- Lead by example
- Give & receive feedback



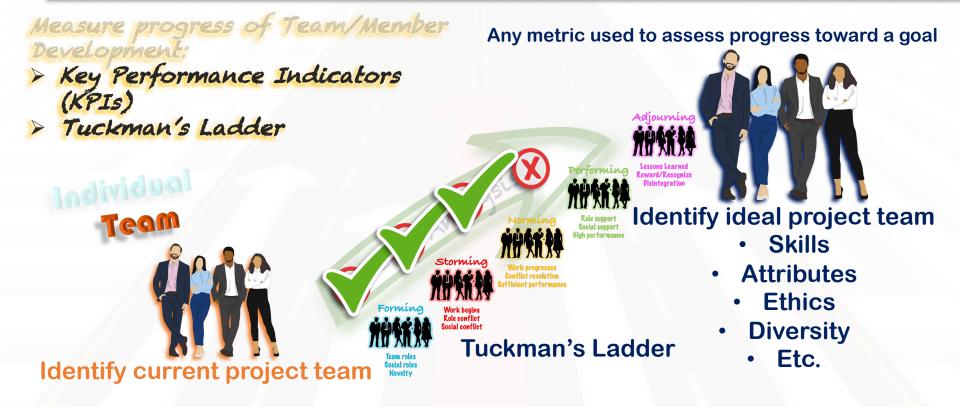
Individua

PMP Cert. Read Book

Prevent Concept

lead Meeting

Team Development

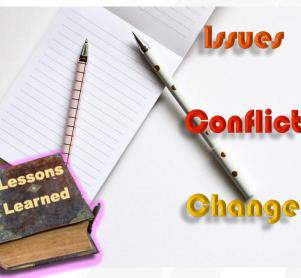




Record

Vets₂M

Throughout execution, document issues, conflicts, and any changes proposed by team members, stakeholders, the Sponsor, etc.



- Issues can arise from any knowledge area/source
 - Document them for later action on the Issue Log



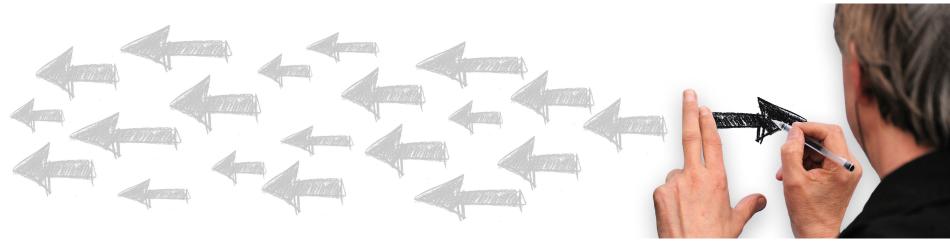
- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!

Issue Log

- Change is inevitable, so proceduralization is key
- Document them for processing into potential project changes Change Log
- Change is also naturally bound to growth ... embrace it, too!

Adjust Concept

- Address Issues
- Manage Conflict
- Assess & Implement Change
- Continuously Improve
- Record Lessons Learned







Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

luer

- Issues can arise from any knowledge area/source
- Document them for later action on the Issue Log





- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth... embrace it!

erence



- Change is inevitable, so proceduralization is key
- Document them for processing into potential project changes
- Change is *also* naturally bound to growth... embrace it, too!





Address Issues

Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.



ets₂

- Issues can arise from any knowledge area/source
- Document them for later action on the Issue Log

Issues are:

- Present
- Negative
- "Worked around"

Respond to Issues:

- Assign a responsible person
 Schedule status reports

lurue log

- Iteratively assess'
 Work-around all issues ASAP



Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict can also arise from any knowledge area/source, typically interpersonal

Conflict Document them for deliberate resolution and future reference

- Conflict is naturally bound with growth ... embrace it!
- Conflicts can be:
- Interpersonal Project-oriented
- "Managed"

Manage Conflict:

- Triage; assess the urgency
 Address when appropriate
 Address deliberately

- > Manage aligned to Team Charter

soue log



Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict

- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!

Conflicts can be:

- Interpersonal Project-oriented "Managed"

Manage Conflict:

- Triage; assess the urgency Address when appropriate Address deliberately

- Manage aligned to Team Charter





- Dictate your view at the expense ٠ of other's
- Sometimes appropriate, usually ٠ as a last resort or if the situation is emergent

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Win/Lose

Force/Direct



Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict

- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!

Conflicts can be:

- Interpersonal Project-oriented "Managed"

Manage Conflict:

- Triage; assess the urgency Address when appropriate Address deliberately

- Manage aligned to Team Charter





Compromise

Force/Direct



- Partially or temporarily satisfy ٠ parties
- Lowering of potential/standards
- Lose/Lose

Approache*s*

190

Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict

- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!

Conflicts can be:

- Ínterpersonal Project-oriented "Managed"

Manage Conflict:

- Triage; assess the urgency Address when appropriate Address deliberately

- Manage aligned to Team Charter



Withdraw

Compromise

Force/Direct



- Postpone resolution for immediate accord
- "Lose the battle to win the war"

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Lose/Win

Approache*s*

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Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict

- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!
- Conflicts can be:
- Interpersonal Project-oriented "Managed"

Accommodate

Manage Conflict:

- Triage; assess the urgency Address when appropriate Address deliberately

- Manage aligned to Team Charter



Withdraw

Compromise

Force/Direct



- Concede position to allow agreement
- Prioritize other's desires
- Lose/Win

Approache*s*

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Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Conflict

- Conflict can also arise from any knowledge area/source, typically interpersonal
- Document them for deliberate resolution and future reference
- Conflict is naturally bound with growth ... embrace it!

Conflicts can be:

- Interpersonal
- Project-oriented
- "Managed"

Collaborate

Accommodate

Manage Conflict:

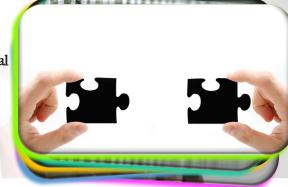
- Triage; assess the urgency
- Address when appropriate Address deliberately
- Manage aligned to Team Charter



Withdraw

Compromise

Force/Direct



- Teamwork ٠
- Interdependence
- Achieving unforeseen, higher potential
- Win/Win

Approaches

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Assess & Implement Change

Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

- Document them for processing into potential project changes Change Log Change is also naturally bound to an article in the potential project changes Change Log
- Change is also naturally bound to growth ... embrace it, too!
- Change is:

ets?

- > Inevitable
- A precursor to
 Assess effect on project
 improvement
 Necessary but difficult
 Change Control System
- Assess & Implement Change: > Use change request form
 > Assess effect on project

- > Communicate change decision

Origin Date Requested Date Authority Status Notes Description

Assess & Implement Change

Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

- Change is inevitable, so proceduralization is key
- Document them for processing into potential project changes
- Change is also naturally bound to growth ... embrace it, too!

Change is:

- Inevitable
- A precursor to improvement Necessary but difficult

- Assess & Implement Change: > Use change request form > Assess effect on project > Process through specified > Change Control System > Communicate change decision

Change Request Form

- Change #
- Requestor
- Description
- Impact to project objectives
- Impact to Scope \checkmark
- Impact to Schedule
- Impact to Cost
- Risk of non-action

- Authority
- Place in Change Control System
- Next review
- Status \checkmark
- Notes

Assess & Implement Change

Once documented, address Issues, Conflicts, and Changes in order to drive continuous process improvement and enhance the social environment.

Change is inevitable, so proceduralization is key

- Document them for processing into potential project changes
- Change is also naturally bound to growth ... embrace it, too!

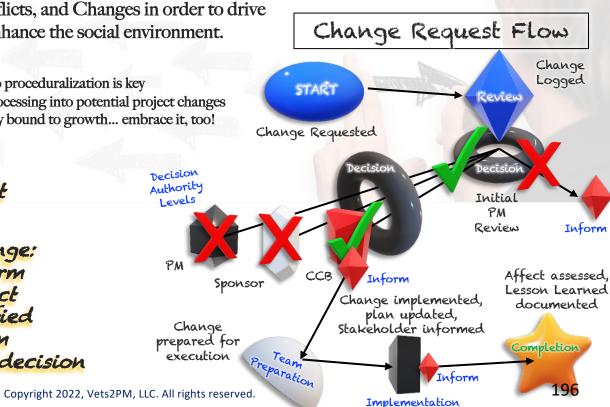
Change is:

Inevitable

Vets2M

- A precursor to improvement Necessary but difficult
- - Assess & Implement Change: > Use change request form > Assess effect on project > Process through specified

 - Change Control System
 - Communicate change decision



Continuously Improve

Continuous improve can be sought and executed in any subject of project management. As PMs, we seek every opportunity to improve social interactions, system function, and procedural effectiveness/efficiency.

Kaizen

- Responsible members encouraged to find improvements
- Small, incremental improvement
- Promotes personal responsibility





Plan. Do. Study. Act (PDSA)

- Continuous loop of improvement through basic project functions
- Seek improvement in all facets
- Model of trial, error, experiment, improvement



Record Lessons Learned

Once documented and now addressed, record lessons learned from Issues, Conflicts, and Changes in order to improve future projects and to avoid repeating mistakes.

- Record on a Lessons Learned Register
- Each project has a Lessons Learned Register
- Each Lessons Learned Register is archived within a Lessons Learned Repository
- ✓ Both used to reference past success and facilitate future success

Agile - repeat each iteration/sprint! • Retrospectives





Execute & Adjust



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Close



Section Objectives

Close Concept

- Closure Justification
- Work Completion
- Project Closure
- Document Archival



Closure Justification

Projects can end for many reasons:

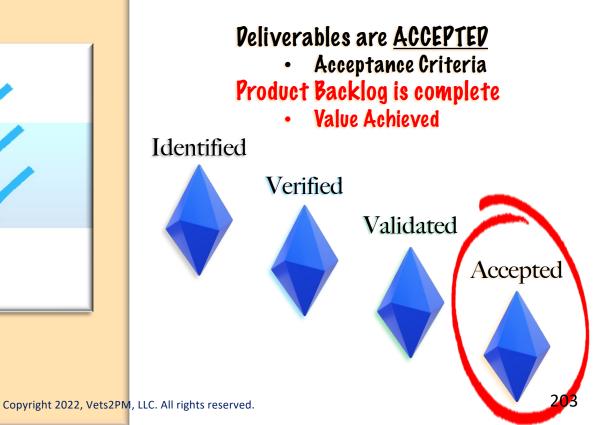
- Work is completed
 - ∧ All Peliverables are <u>Accepted</u> ✓✓
- \circ Unfeasible change of requirements
- o Loss of funding
- o Unacceptable risk
- Unneeded
- o Unmanageable legal changes
- Economic changes (global effects)





Work Completion







Project Closure

Project Termination:

- **Deliberate** action \cap
- **Procedural completion** 0
- **Close procurements** Ο
 - \circ Assess contract details
 - Ensure work completed
 - Formal Acceptance
 - **Complete payments** Ο
 - Return resources
 - **Record Lessons Learned** \cap
- \circ Termination Checklist

Termination Checklist



Review Quality Standards Inspect quality of deliverables Ensure formal acceptance/signature

Review contractual closure

Ensure payments made/received



Update repositories



Document Archival

Management Plans



Business Case



Team/Project Charter



All project documents should be reviewed, updated, & archived

- PM Plan
 - Subsidiary/Components Plans
 - Baselines/Product Backlog
- Lessons Learned Register/Repository
- Knowledge Repository
 - Naming convention
 - Document storage location
 - Access/security
- Final Project Report
- Review, Retrospective, Demo notes

Celebrate!

Celebrate project completion

Intentionally "adjourn" project team

Update records with team member performance

Thank all involved!





Close



Closure Justification





- **Termination Checklist**
- Review Scope, Schedule, Cost **Review Quality Standards**
- Inspect quality of deliverables
- Ensure formal acceptance/signature
- **Review contractual closure**
- Ensure payments made/received
- Communicate completion to stakeholders
- **Update repositories**

Project Closure



Document Archival

Celebration & Acknowledgement!



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Conclusion



Section Objectives

Conclusion Review

- Course Objectives
- PMP[®] Exam Tips
- Holistic Review
 - Initiation
 - Planning
 - Executing & Adjusting
 - Closing
- Next Steps



Course Objectives

- Teach you how to take and pass the PMP[®] exam. "Period."
 - Exam-taking techniques and tips
 - A *key* decision-making model to approach exam questions
 - The appropriate "lens" through which to take the exam
 - "How PMI thinks; how they see PMs"
 - Methodology differences
 - Exam-centric, "boot stomp" topics throughout a sequential project flow:
 - Initiate, Plan, Execute & Adjust, and Close
 - Exam-prep activities, questions, and practical tools
 - Holistic overview and conclusion



PMP® Exam Execution

- 180 total questions, 230 minutes •
- 175 scored 76 min. 40 sec 5 unscored ("pre-test") 76 min. 40 sec Attack the Exam 60 Questions Min Break 76 min, 40 sec 10 60 Questions Submit 60 Min Questions **Break** 60 Questions Submit 60 Questions Submit 60 Questions Easy Qs & 🥻 Mission Complete, You're now a <u>PMP</u>! Moderate Qs & 3 Passes through all 60 Qs **Vets**PI

PMP[®] Exam Studying

This PMP[®] Exam crash course is intended to be intense

- High volume of material
- Moderate complexity

We recommend 30 days of studying *after* completion of this course

- Use the 30-Day Study Plan; tailor length of time as needed
- Review course videos and materials; heavy focus on exam-prep questions
 - 2-3 hours per day
 - 5-6 days per week
 - 3-5 weeks

Life circumstances will vary, therefore your studying path will, too!

"Practice is the best of all instructors."

-Publilius Syrus (1st century Latin writer)



PMI-Authorized Training Partner

PMP®/CAPM® Boot Camp

STUDENT GUIDE

PMP*/ CAPM* Boot Camp course review content

n materials (sample test questions, sample documents, etc.) VI® and will be presented during your PMP train

depending on circumstances; variations

tal Student Guide (Syllabus, Study Plan, Study Guide)

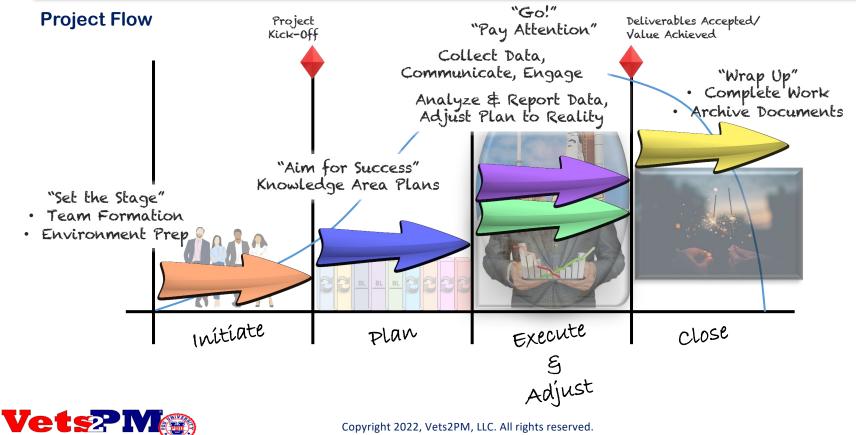
egotiate Project Agreeme Team Members and Sta

Exact course execution may vary

Live-Webinar Evening Cours ision 1: (Topics L1A-L1D): 4 Clock He Course & Resource

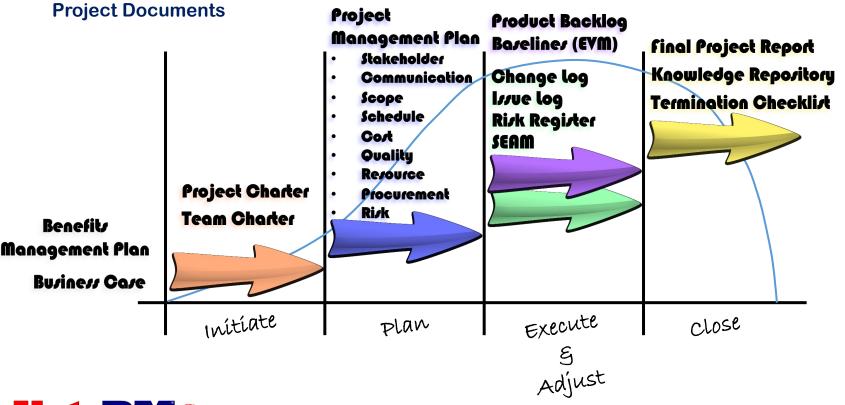
s which are available on the Vets2PM Student

Holistic Review



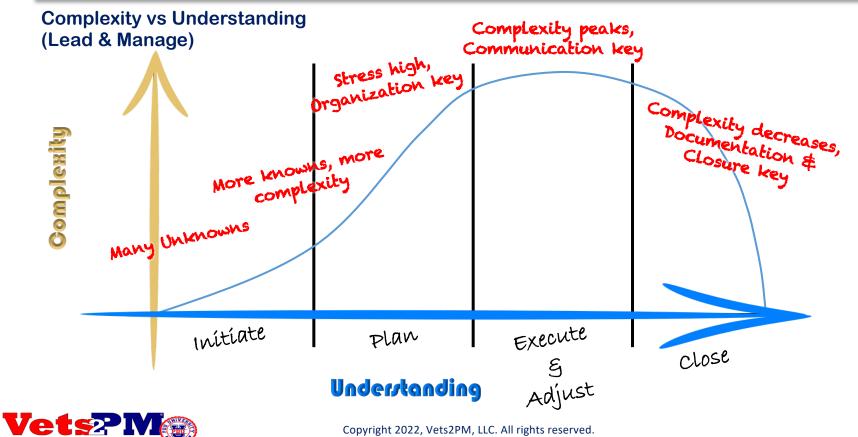
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Holistic Review





Holistic Review



Next Steps - Apply

- Create an account at pmi.org
- Initiate a PMP[®] application
- Use the *Application Completion Tool** to consolidate and record your PM experience
 - (If audited) Complete audit instructions
 - Contact us for *free* audit defense
 - (If rejected) Complete correction instructions
 - Contact us for *free* application correction
- Upon acceptance, schedule your PMP® exam
 - Recommended to test within 4 weeks of completing this course and the 30-Day Study Plan

* The Application Completion Tool is provided for *free* as part of your Vets2PM membership, and is found on your Vets2PM Student Portal





Next Steps - Study

VeterM® Vets2PM Student Portal

- **On-Demand PMP® Exam Crash Course**
 - Videos, Project Manager Essential Toolbox (PMET), exam-prep questions, etc.
- Vets2PM PMP Application Course
 - The Application Completion Tool (ACT)
- Many other *free* materials to facilitate your success!



ets?

Project Management Institute (PMI®)

- **PMBOK Guide 7th Edition**
 - "Project Management Body of Knowledge Guide"

Project Management Professional Exam Content Outline (PMPECO) PMI.org (articles, standards, publications, etc.)



PMET **Project Manager**

Essentials Toolbox

Vets2M

Next Steps – Contact Us!

Reach as at our first name (as below) evets2pm.com!

Eríc (Founder & CEO)

Kelly Director of Staff Jeremy (Chief Operations Officer) Cathy

(Director of Career Services)





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Project Management Professional (PMP®) Exam Crash Course

Thank you!

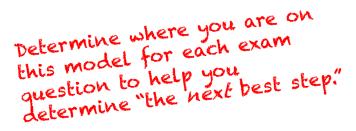


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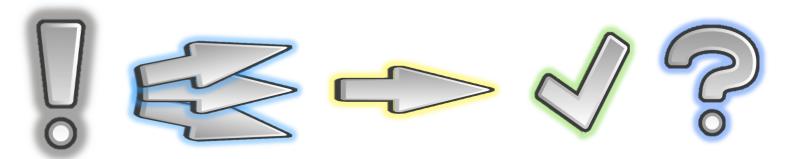
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PMP® Exam Approach

PM decision-making model:



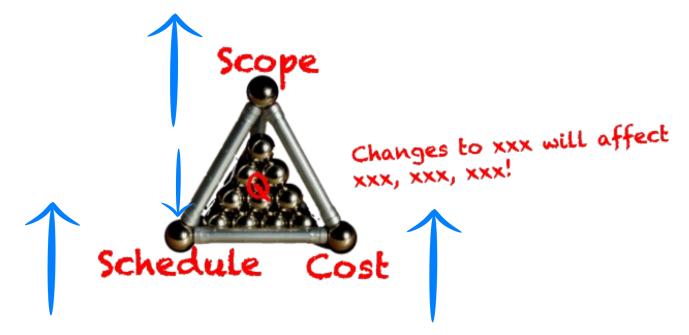
- 1) A problem is posed
- 2) Confirm that the problem exists
- 3) Assess options for resolving the problem
- 4) Choose an option
- 5) Execute the option
- 6) Assess whether the desired effect has been achieved
- 7) ... back to 1: is a problem still being posed...







- Changes to one aspect result in changes to others
- Aka Triple Constraint
- Major "points" are the Baselines we create!





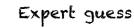


Estimating Techniques

Predictive





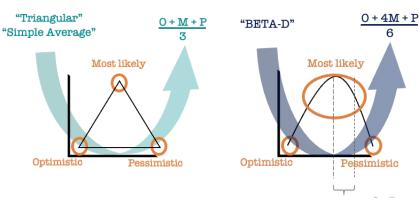


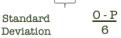
Parametric

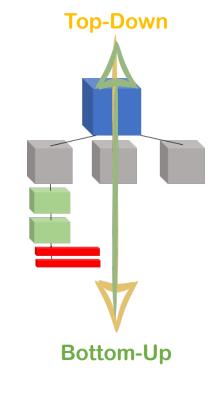


Expert guess + Comparison (decomposing activity to smaller segments)











Estimating Techniques

Agile

General Concept

- Precise end-state of the project unknown... So precise estimates not possible nor helpful Estimate per iteration/sprint...
- - Therefore, no definitive time-based estimating

User Stories

- Narrative description of a product function or endstate from a customer/end-user's perspective
 Translated into work effort by project team (SMEs)
 Point-structured for estimating

"Easy" "Moderate" "Difficult"



Planning Poker

- Use numbers from Fibonacci Sequence
 - 1, 2, 3, 5, 8, 13, 21, 34 1 = easiest, 34 = hardest
- Team votes on each task to present perceived effort involved

Consensus Techniques

Predictive



Voting

- Unanimity (100% agree)
- Majority (>50% agree)
 Plurality (<50% but still more votes than other options)

Multi-Criteria Decision Analysis (MCDA)

Narrow options, from broad to specific, considering unique project characteristics



Polling

Present individual views

Consider discussion

Autocratic Decision

Single member decides the vote

Agile

Fist of Five

- · Range of agreement
- Better with small groups



- Roman Voting
- · Yes or No
- Better with large groups



Dot Voting

- · Choose From options
- Vote from allocated points

