

 INTERNATIONAL
Institute for Learning, Inc.



FDOT 2008 Design Conference
Session 36

“PM-101 Introduction to Project Management”

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 **Agenda**

1. Project Management Institute (PMI)
2. Project Management Book of Knowledge (PMBOK®)
3. FDOT PM's Roles and Responsibilities
4. Define and discuss “Project”
5. The Five PM Processes
6. The Nine Knowledge Areas
7. The Project Life Cycle
8. Define and discuss “Project Management”
9. Focus on Stakeholders



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Project Management in Industry

Project Management Institute (PMI)
Project Management Book of Knowledge (PMBOK®)

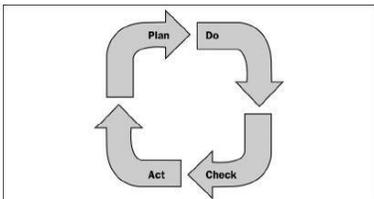


Figure 3-1. The Plan-Do-Check-Act Cycle

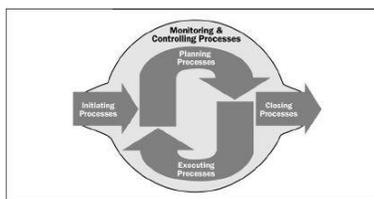


Figure 3-2. Project Management Process Groups Mapped to the Plan-Do-Check-Act Cycle

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The Project Management Institute (PMI)

- 🌐 PMI was Chartered in 1969...
- 🌐 To develop basic processes, procedures, terms, and definitions...
- 🌐 That could be used on any project, anywhere in the world
- 🌐 Project Management Professional (PMP) Certification was started in 1984
- 🌐 PMP is a rigorous, exam-based, professional certification
- 🌐 One of many standardized approaches to Project Management

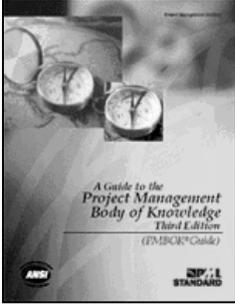
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Project Management Body of Knowledge (PMBOK®)

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-  PMBOK® is the sum of knowledge within the PM profession
-  ANSI approved standard for Project Management
-  Available in numerous languages
-  Includes proven traditional practices
-  Introduces innovative and emerging practices
-  Identifies generally accepted “best practices”



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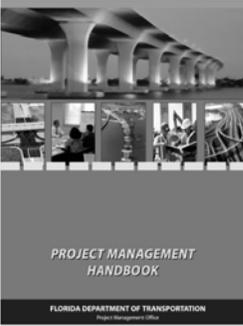
FDOT PM Handbook

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Part I of the *FDOT PM Handbook* defines a Project Manager's roles and responsibilities, specifically:

-  Chapter 7, Roles and Responsibilities
-  Chapter 12, Consultant Procurement
-  Chapter 13, Contract Negotiations
-  Chapter 14, Consultant Contract Management

Part II defines phase-specific roles and responsibilities (e.g., PD&E, Design, ROW).



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What is a Program?

A Program is: "a group of like-type projects managed in a similar or coordinated manner to gain the benefits and control not available from an individual project."

What are we trying to control within a Program?

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What is a "Project?"

"A temporary endeavor undertaken to produce a unique product, service, or result." (PMBOK® Guide – Third Edition, page 5)

What are the attributes of a project?

-  Has a specific beginning and end date
-  Consumes resources
-  Has a deliverable(s)
-  Has acceptance criteria

What are the three constants in a project?

-  Change, risk, and conflict
-  More on the Three Constants in PM-103



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 What is "Project Management?"

*"Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet or exceed Stakeholder needs and expectations for the project."
(PMBOK® Guide – First Edition, page 6).*

Because this definition is foundational to everything we are talking about, let's take a few moments and examine the definition.



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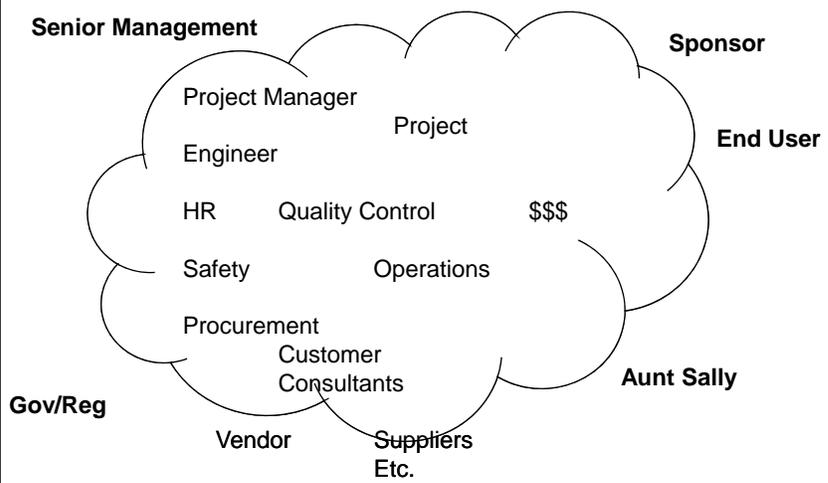
 Project Management is:

-  "Application of knowledge, skills, tools, and techniques..."
-  to project activities...
-  to meet or exceed...
-  Stakeholder...
-  Needs and expectations for the project."

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 Let's Take a Closer Look at Stakeholders...



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 Open Discussion

-  Who are the governmental and/or regulator agencies who impact your project?
-  Who is your project sponsor, customer, and end user?
-  What is the difference between your stakeholder's needs and expectations?
-  How do you obtain and maintain their "buy-in"?
-  How much does "communication" impact stakeholder relations?



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The Five Project Management Processes
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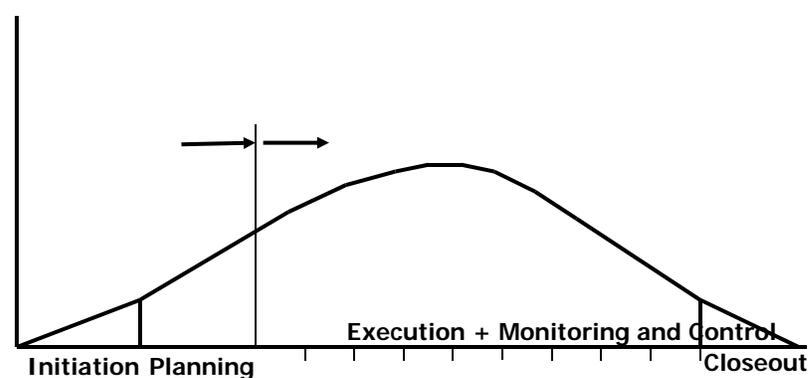
PMI has defined five carved-in-stone, universally accepted, will not change, project management processes and they are:

- **Initiation**
- **Planning**
- **Execution**
- **Monitoring and Control and**
- **Closeout**

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The Five Project Management Processes
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Graphically, the five Project Management Processes can be shown as follows:



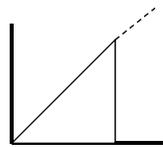
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The Initiation Process

The purpose of Initiation is to get a project approved, or approval to go to the next phase.
 Here is where the Sponsor takes the project through pre-determined governance criteria to get a project added to the Work Program.
 Decision Basis is financial.
 How much information do we have about the project? +/- 35% range of accuracy for scope, cost, and schedule.
 Other notes...



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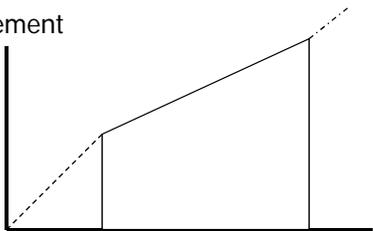
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The Planning Process

Now that the dollars for the project have been identified and allocated, we need to determine project and product scope at a finer level.

-  Develop Project Plan
-  Perform Risk, Quality, and Procurement Analysis
-  Issue Cost Baseline



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"Execution" and "Monitoring/Control" Processes

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The planning is complete, the baselines have been issued, now it is time to perform the work that is outlined in the Project Plan (project scope) and Technical Specifications (product scope).

Throughout Execution, the project team monitors performance and makes changes to project and product scope, as necessary, to meet project objectives.



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Project "Closeout" Process

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Once the project objectives have been met, it's time to close the project.

Primary focus here is completion of:

-  All project and product paperwork
-  "Punch List" Items
-  "Formal Acceptance" of the project
-  "Lessons Learned"

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	In Closing	1-19
<p>If there are any questions regarding the presentation, please contact:</p>		
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