

# Chapter - 3

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PROJECT MANAGEMENT PROCESSES

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# Project Management Processes

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Process – It is a set of actions and activities to achieve a **product, result or service**.

Project Management is an **interactive endeavor** – an action or failure to take action, in one area will usually affect other areas

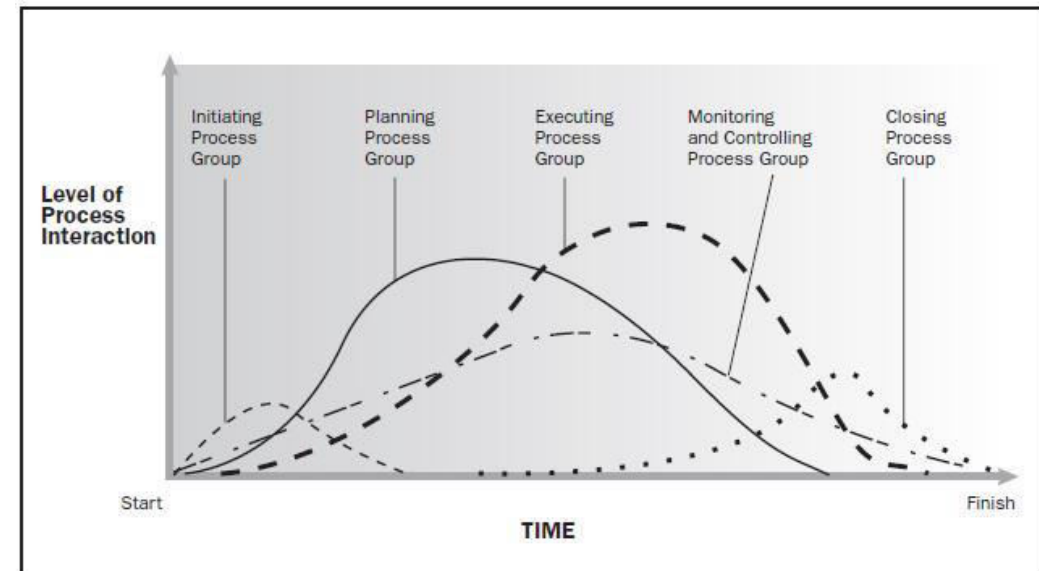
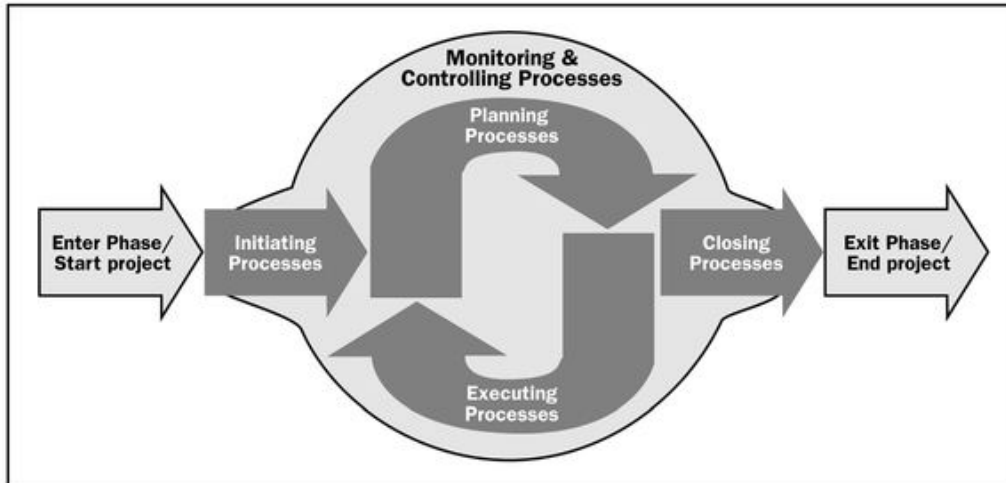
Project Management  
process generally falls  
under **2 groups**

Project Management Processes  
are concerned with describing  
and organizing the work of the  
project

Product Oriented Processes  
are concerned with  
specifying and creating the  
project product

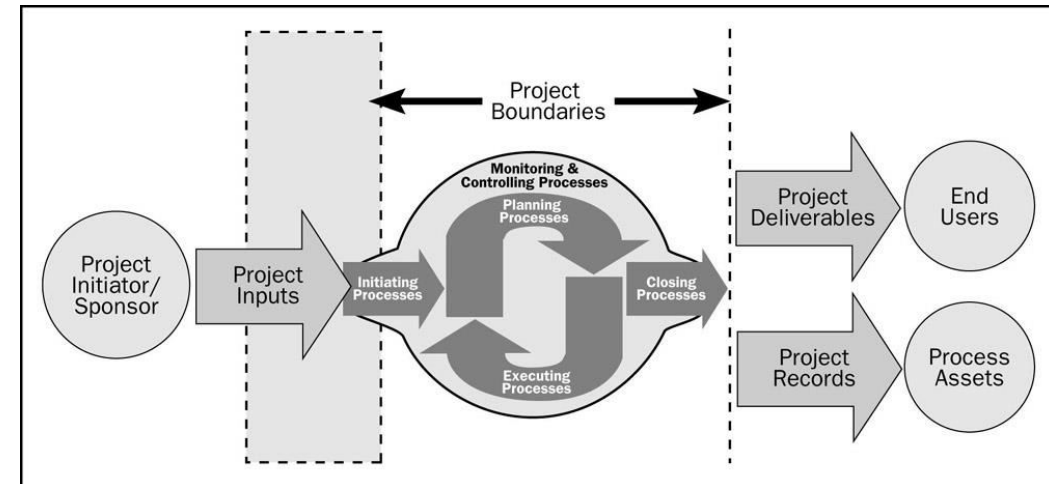
Both Processes overlap and interact throughout the project

# Common Project Management Process Interactions



# Initiating Process Group

- Performed to define **new project or new phase** of an existing project by obtaining authorization to start the project or phase
  - When Project charter is approved, the project is officially authorized
  - Two major processes are involved during initiation process groups.
- ❖ Develop Project Charter
  - ❖ Identify Stakeholders

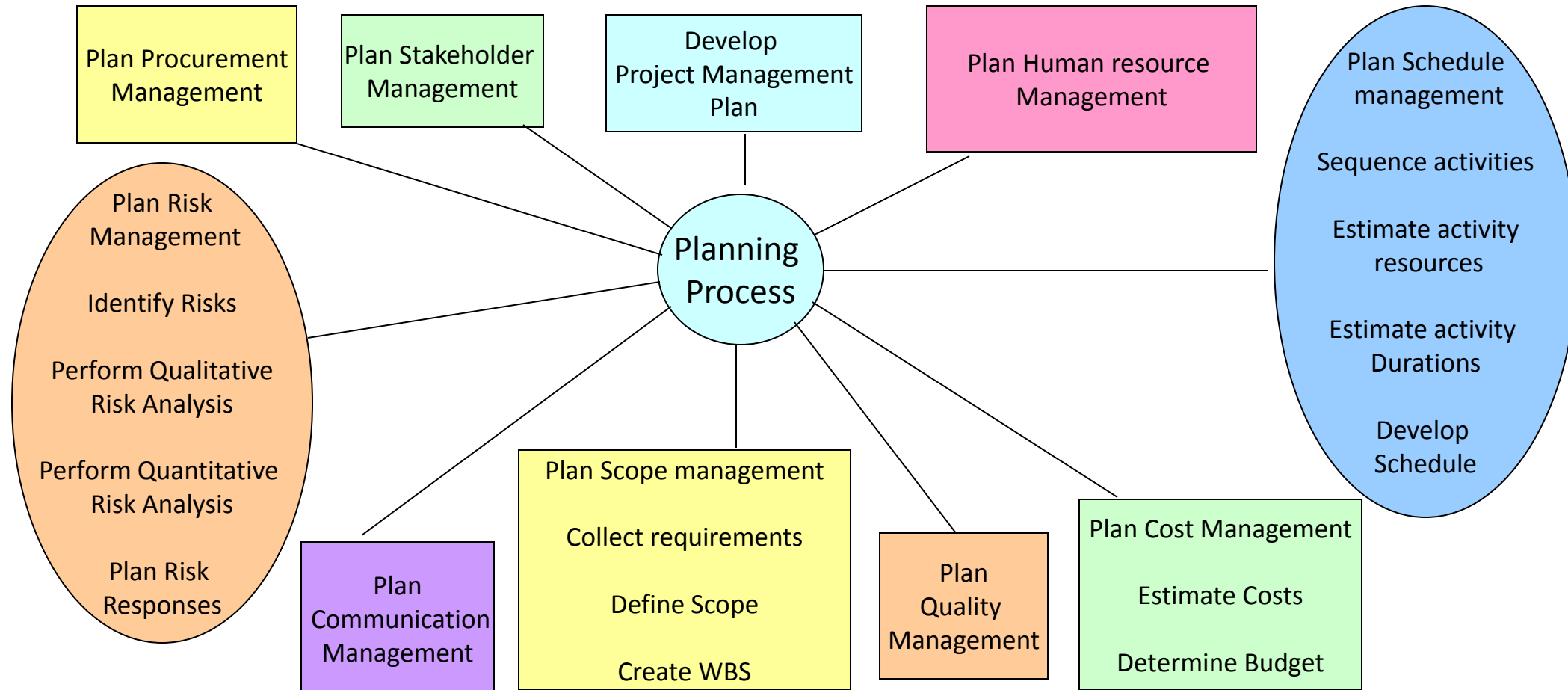


# Planning Process Group

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- Consists of those processes performed to establish the **total scope of the effort, define and refine objectives**, and develop the course of action required to attain those objectives

# Planning Process Group

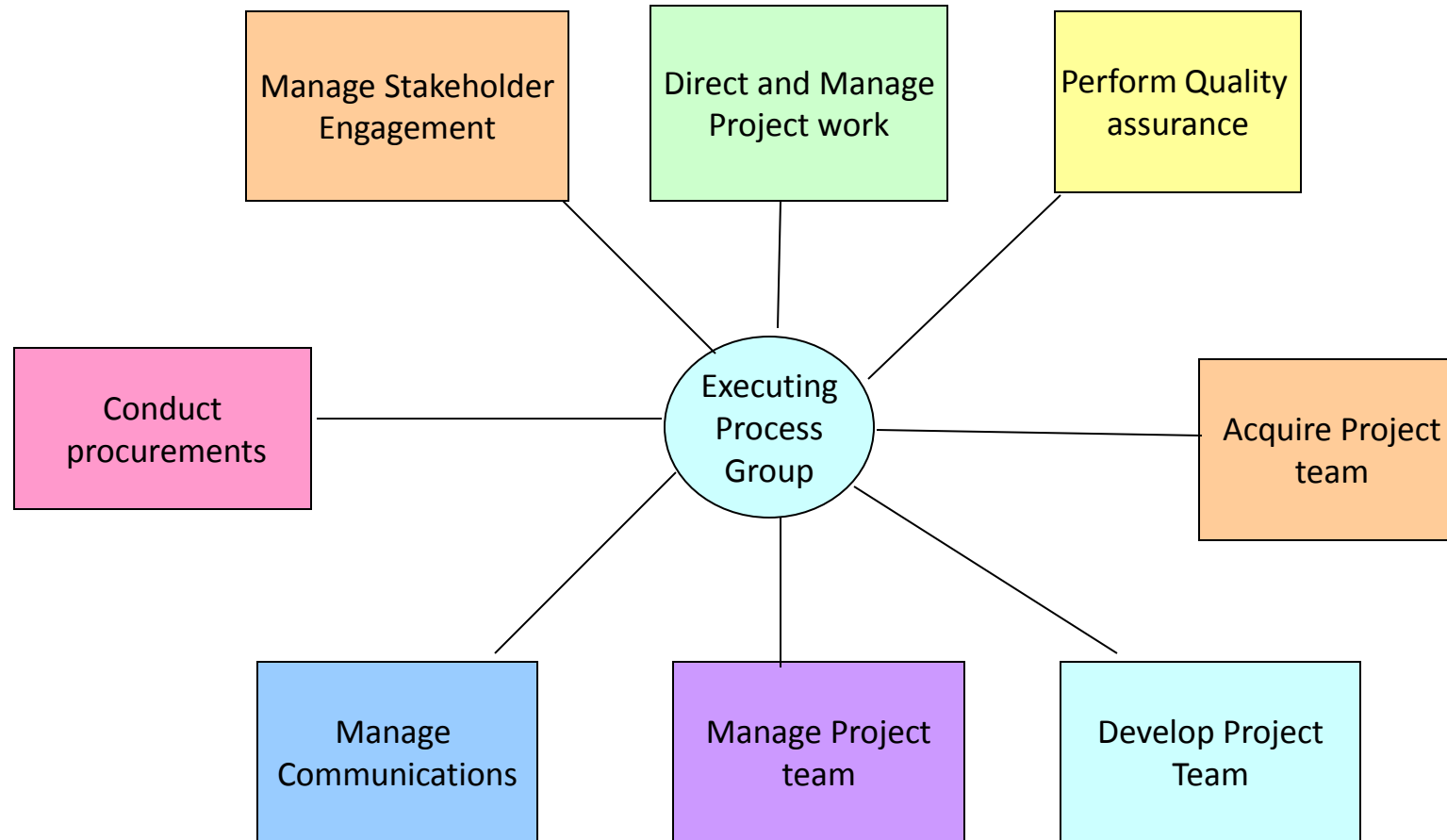


# Executing Process Group

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- Consists of those processes performed to **complete the work defined in the project management plan** to satisfy the project specifications
- Involves coordinating people and resources, managing stakeholder expectations, as well as integrating and performing the activities of the project in accordance with the project management plan

# Executing Process Group





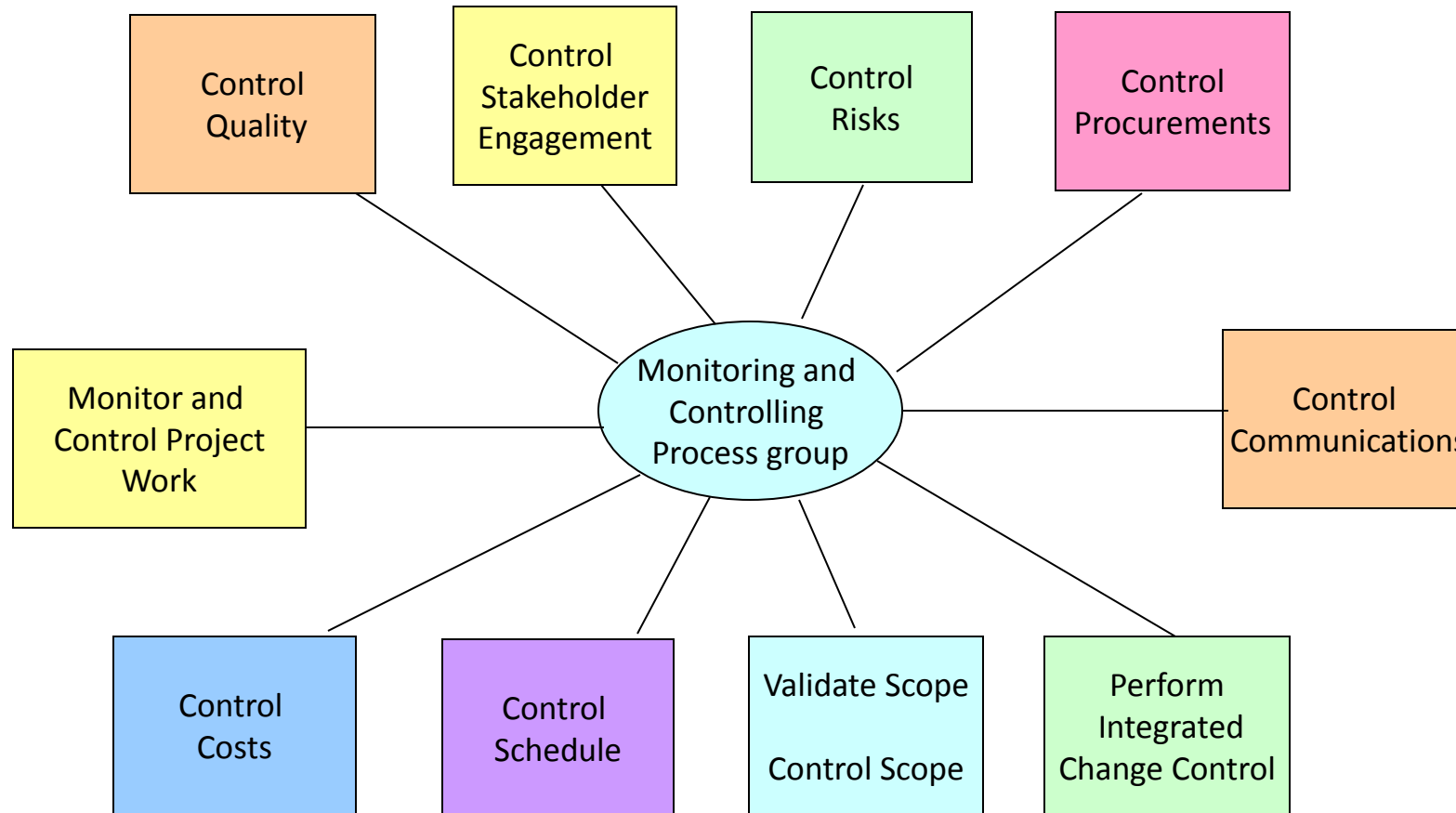
# Monitoring and Controlling Process Group

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- Consists of those processes required **to track, review, and orchestrate the progress and performance of the project**
- Identify any areas in which changes to the plan are required
- Initiate the corresponding changes

# Monitoring and Controlling Process Group

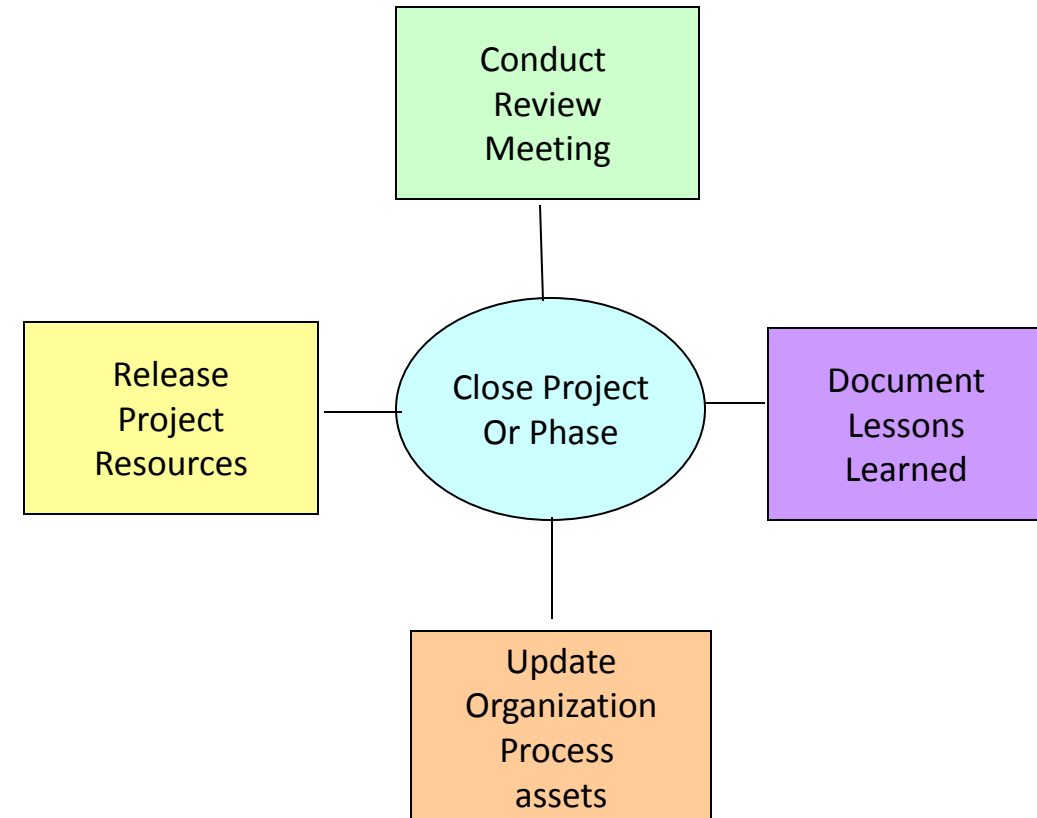


# Close Process Group

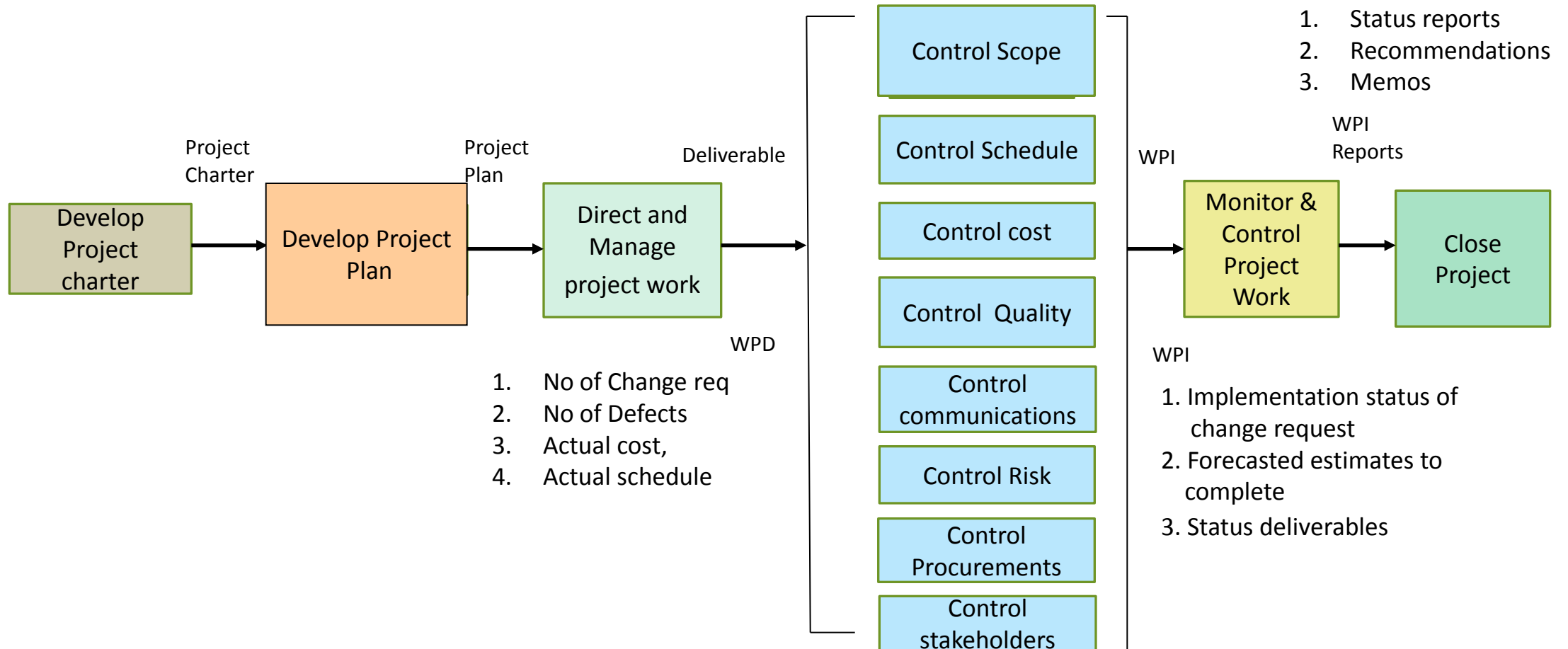
Consists of those processes performed to conclude all activities across all Project Management Process Groups to formally complete the project, phase, or contractual obligations

At project or phase closure, the following may occur:

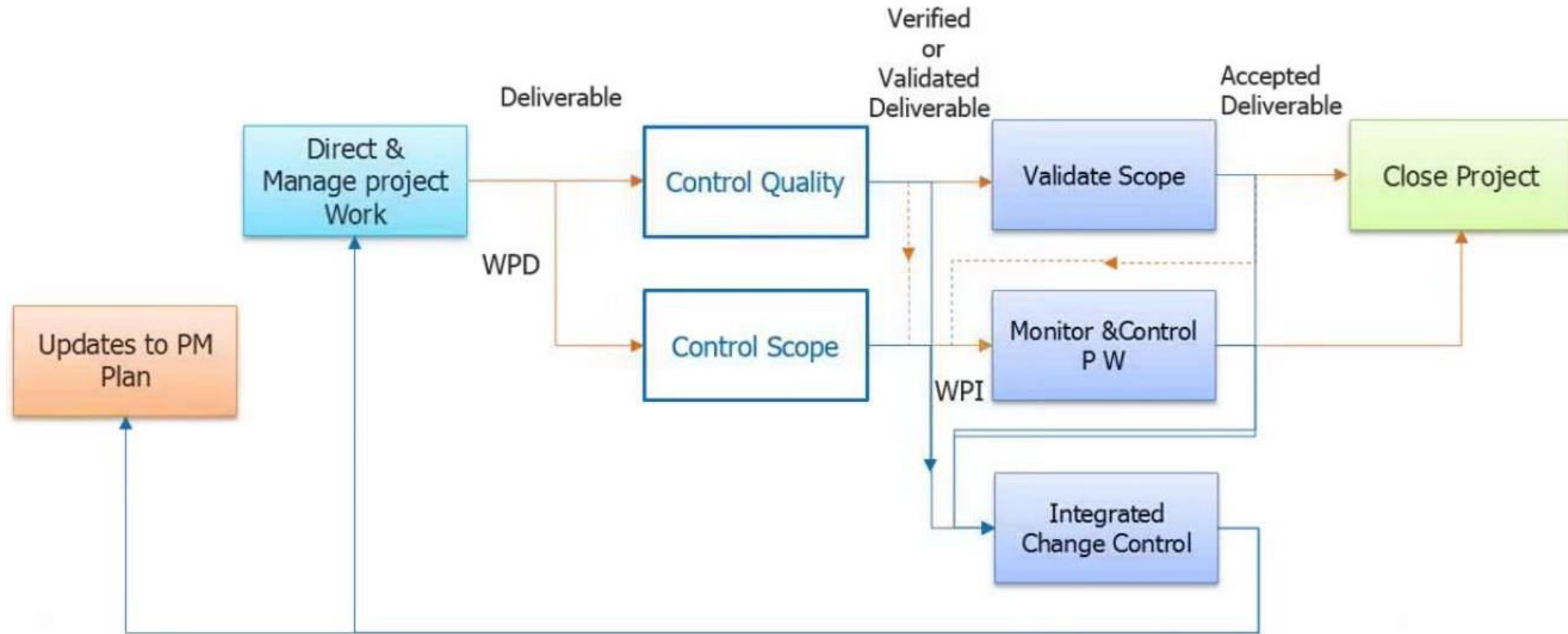
- **Obtain acceptance by the customer or sponsor to formally close the project or phase**
- **Conduct post-project or phase-end review**
- **Record impacts of tailoring to any process**
- **Document lessons learned**
- **Apply appropriate updates to organizational process assets**



# The Logical Sequence: High Level



# Control Processes – Scope & Quality



# Project Management Process Group and Knowledge Area Mapping

Knowledge Areas	Project Management Process Groups				
	Initiating Process Group	Planning Process Group	Executing Process Group	Monitoring and Controlling Process Group	Closing Process Group
4. Project Integration Management	4.1 Develop Project Charter	4.2 Develop Project Management Plan	4.3 Direct and Manage Project Work	4.4 Monitor and Control Project Work 4.5 Perform Integrated Change Control	4.6 Close Project or Phase
5. Project Scope Management		5.1 Plan Scope Management 5.2 Collect Requirements 5.3 Define Scope 5.4 Create WBS		5.5 Validate Scope 5.6 Control Scope	
6. Project Time Management		6.1 Plan Schedule Management 6.2 Define Activities 6.3 Sequence Activities 6.4 Estimate Activity Resources 6.5 Estimate Activity Durations 6.6 Develop Schedule		6.7 Control Schedule	
7. Project Cost Management		7.1 Plan Cost Management 7.2 Estimate Costs 7.3 Determine Budget		7.4 Control Costs	
8. Project Quality Management		8.1 Plan Quality Management	8.2 Perform Quality Assurance	8.3 Control Quality	
9. Project Human Resource Management		9.1 Plan Human Resource Management	9.2 Acquire Project Team 9.3 Develop Project Team 9.4 Manage Project Team		
10. Project Communications Management		10.1 Plan Communications Management	10.2 Manage Communications	10.3 Control Communications	
11. Project Risk Management		11.1 Plan Risk Management 11.2 Identify Risks 11.3 Perform Qualitative Risk Analysis 11.4 Perform Quantitative Risk Analysis 11.5 Plan Risk Responses		11.6 Control Risks	
12. Project Procurement Management		12.1 Plan Procurement Management	12.2 Conduct Procurements	12.3 Control Procurements	12.4 Close Procurements
13. Project Stakeholder Management	13.1 Identify Stakeholders	13.2 Plan Stakeholder Management	13.3 Manage Stakeholder Engagement	13.4 Control Stakeholder Engagement	

# Thank you

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