

# Chapter - 4

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PROJECT INTEGRATION MANAGEMENT

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# Agenda

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- Why Manage Integration
- Develop Project Charter
- Develop Project Management Plan
- Direct and Manage Project Work
- Monitor and Control Project Work
- Perform Integrated Change Control
- Close Project or Phase

# Why Manage Integration

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- ✓ **Integration of Subsidiary Project Management plans** i.e Output of other knowledge areas such as Scope Management, Time Management, Cost Management, Quality Management, Human resource Management, Risk Management, Procurement Management, Stakeholder Management
- ✓ To Combine, unify and coordinate the various processes and project management activities



# Develop Project Charter

- ✓ To create a document that formally authorizes a project

Inputs	Tools and Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project statement of work</li> <li>✓ Business case</li> <li>✓ Agreements</li> <li>✓ Enterprise Environmental factors</li> <li>✓ Organizational Process assets</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Facilitation Techniques</li> </ul>	<ul style="list-style-type: none"> <li>✓ Project Charter</li> </ul>

# Develop Project Charter

Project charters are created so that project can answer or satisfy one of the following.



Market demand



Business need



Customer request



Technological Advances



Legal Requirements

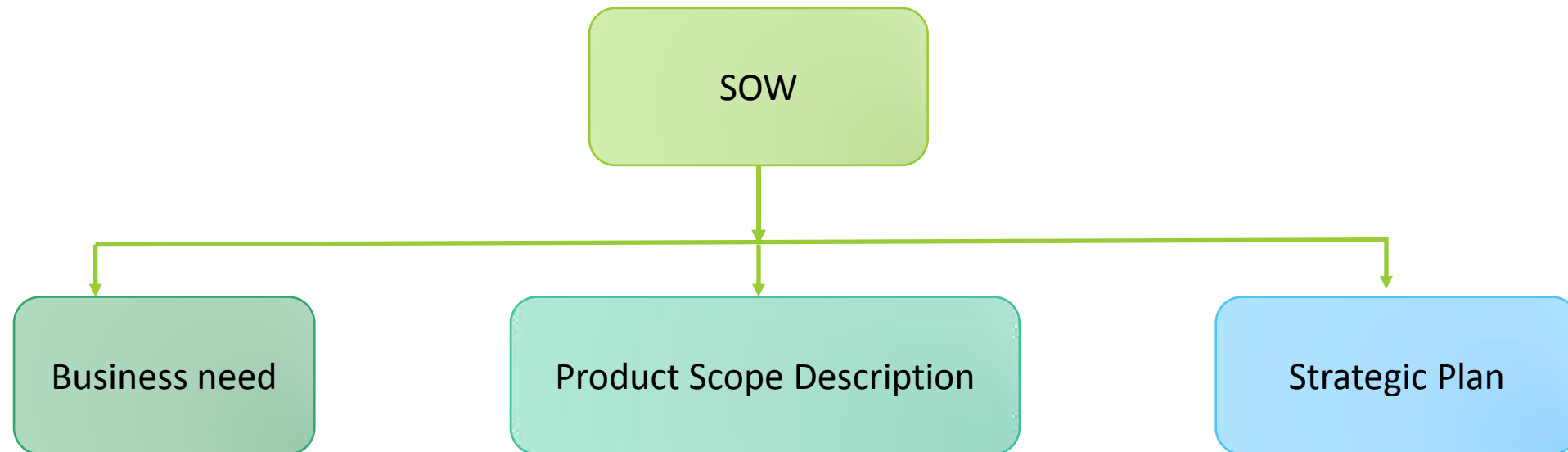


Social need

# Develop Project Charter

## Inputs to Project Charter

**Project statement of work(SOW)** – It is narrative description of products or services to be delivered by the project. Every SOW should include



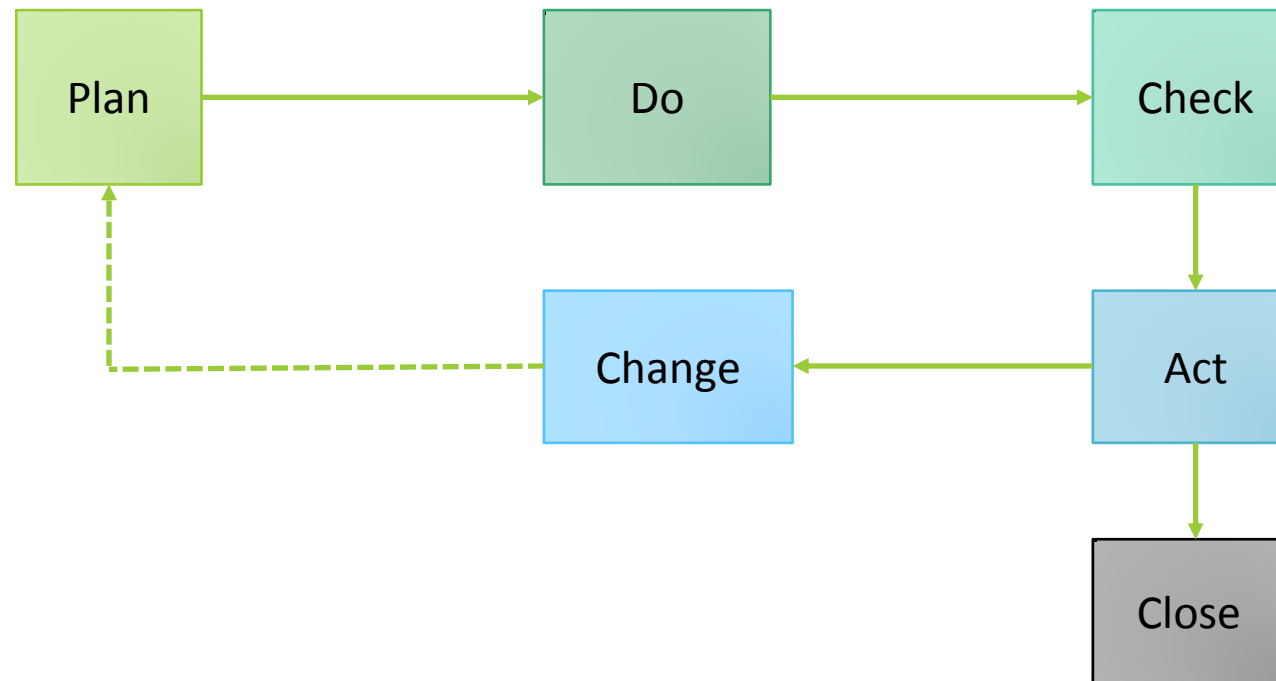
# Develop Project Management Plan

- ✓ To define, prepare and coordinate all subsidiary plans and integrate them into comprehensive project management plans.
- ✓ Defines the basis of all project work.

Inputs	Tools and Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project Charter</li> <li>✓ Outputs from other processes</li> <li>✓ Enterprise environment factors</li> <li>✓ Organizational Factors</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Facilitation Techniques</li> </ul>	<ul style="list-style-type: none"> <li>✓ Project Management plan</li> </ul>

# Deming cycle and PM Processes

- ✓ PDCA (plan–do–check–act) is an iterative four-step management method used in business for the control and continuous improvement of processes and products.



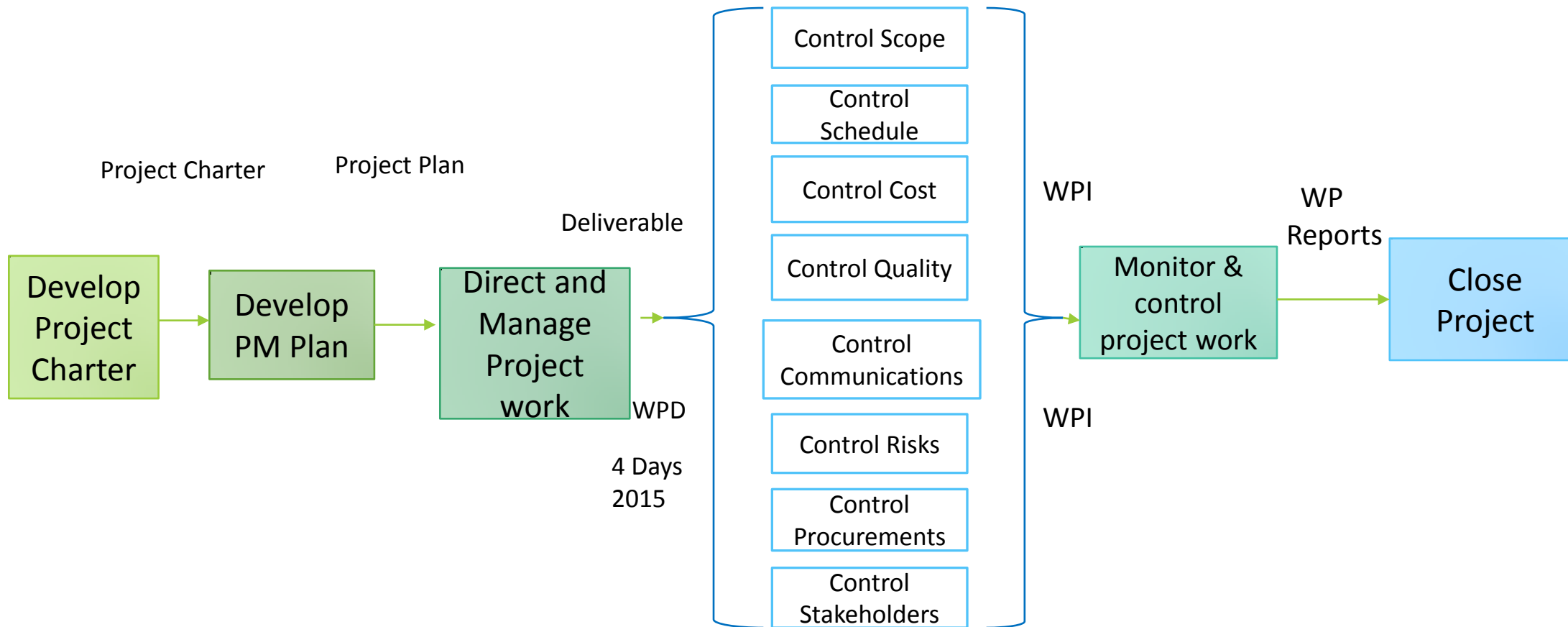


# Direct and Manage Project work

- ✓ To lead and perform the work defined in the project management plan
- ✓ To lead and perform the changed work

Inputs	Tools & Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project Management Plan</li> <li>✓ Approved Change Requests</li> <li>✓ Enterprise Environmental Factors</li> <li>✓ Organizational Process Assets</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Project Management Information System</li> <li>✓ Meetings</li> </ul>	<ul style="list-style-type: none"> <li>✓ Deliverables</li> <li>✓ Work Performance Data</li> <li>✓ Change Requests</li> <li>✓ Project Management Plan Update</li> <li>✓ Project Document Update</li> </ul>

# Logical flow of Project



# Monitor and Control Project Work

- ✓ To track, review and report the progress

Inputs	Tools and Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project Management plan</li> <li>✓ Schedule Forecasts</li> <li>✓ Cost Forecasts</li> <li>✓ Validated Changes</li> <li>✓ Work Performance Information</li> <li>✓ Enterprise Environmental factors</li> <li>✓ Organizational Process Assets</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Analytical Techniques</li> <li>✓ Project Management Information Systems</li> <li>✓ Meetings</li> </ul>	<ul style="list-style-type: none"> <li>✓ Change Requests</li> <li>✓ Work Performance Reports</li> <li>✓ Project Management Plan Updates</li> <li>✓ Project Document Updates</li> </ul>

# Perform Integrated Change Control

- ✓ To review all changes, approve change requests and managing changes of deliverables, organizational process assets, project documents and project management plan.

Inputs	Tools and Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project Management Plan</li> <li>✓ Work Performance Reports</li> <li>✓ Change Requests</li> <li>✓ Enterprise Environmental Factors</li> <li>✓ Organizational Process Assets</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Meetings</li> <li>✓ Control Change Tools</li> </ul>	<ul style="list-style-type: none"> <li>✓ Approved Changes Requests</li> <li>✓ Change Log</li> <li>✓ Project Management Plan Updates</li> <li>✓ Project Document Updates</li> </ul>

# Configuration Management

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## Configuration Management with Integrated Change Control

- ✓ Evolutionary method
- ✓ Opportunity to validate impact of change and its impact
- ✓ Mechanisms for communication

## Configuration Management Activities

- ✓ Identity Configuration items
- ✓ Status Accounting
- ✓ Verification and Audits

# Close Project or Phase

- ✓ To Finalize all activities to formally complete the project or a project phase

Inputs	Tools and Techniques	Outputs
<ul style="list-style-type: none"> <li>✓ Project Management Plan</li> <li>✓ Accepted Deliverables</li> <li>✓ Organizational Process Assets</li> </ul>	<ul style="list-style-type: none"> <li>✓ Expert Judgment</li> <li>✓ Analytical Techniques</li> <li>✓ Meeting</li> </ul>	<ul style="list-style-type: none"> <li>✓ Final product, service or result transition</li> <li>✓ Organizational Process assets updates</li> </ul>

# Diff between WPD,WPI and WPR

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- ✓ Work performance data is raw measurements before any analysis.
- ✓ Once it has been analyzed or processed, it becomes work performance information.
- ✓ A work performance report is a compilation of work performance information for consumption for some purpose such as status or decision making.

# Thank you

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