

# **INTRODUCTION OF 9 KNOWLEDGE AREAS**

Project Integration Management

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# Definition

Processes and activities needed to identify, define, combine, unify and coordinate the various processes and project management activities within the Project Management Process Group.



# Objectives

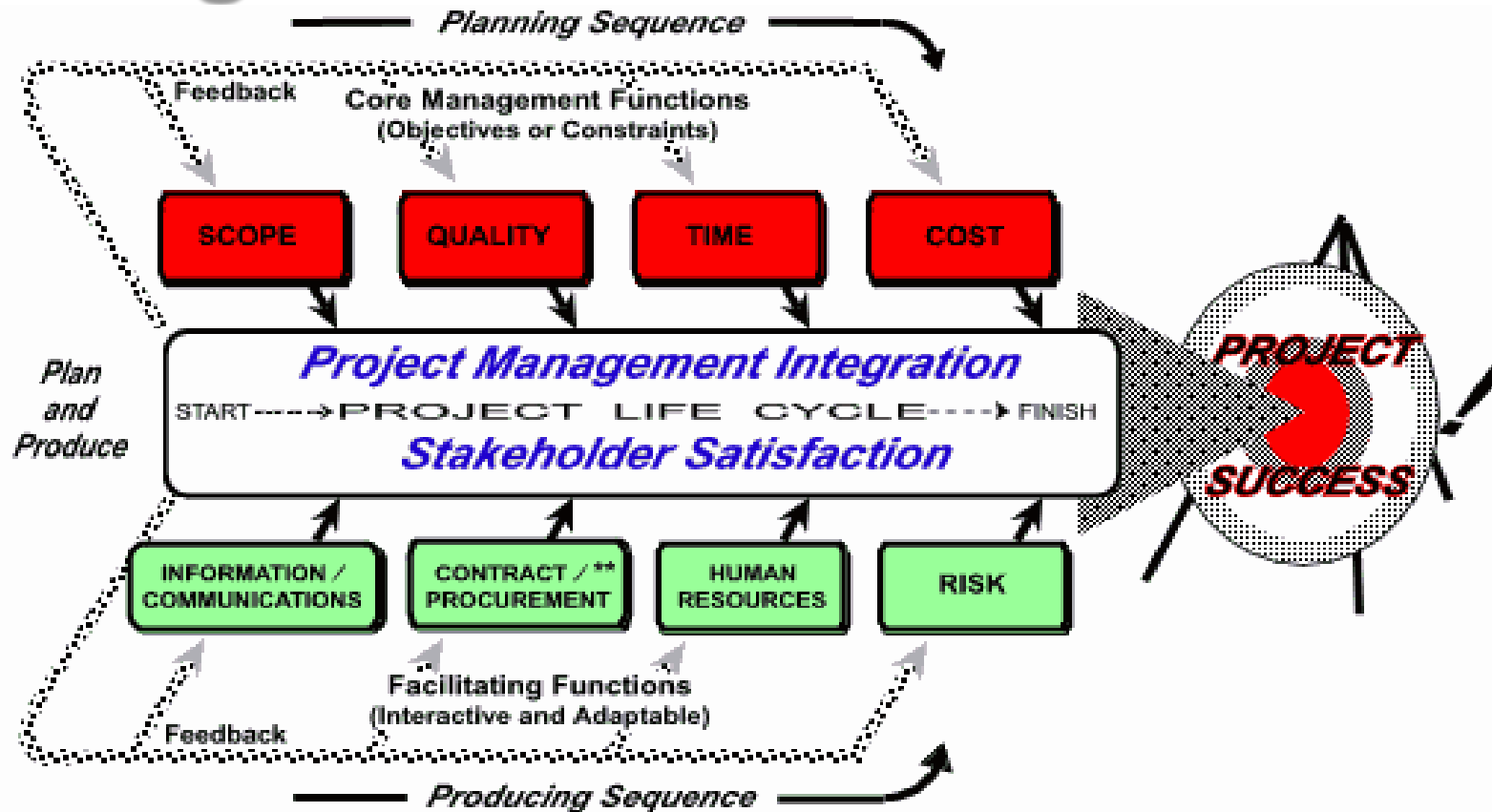
- Integrate the processes among the Project Management Process Groups required to accomplish project objectives.
- Ensure various elements of the projects properly coordinated.
- Meet the requirements and manage the expectations of the stakeholders.

# Project Integration Management

Project managers must coordinate all of the other knowledge areas throughout a project's life cycle.



# Project Integration Management



\*\* Includes both internal (informal) commitments and external (formal) contracts

RMW, CQ, EJ & Others 1990

# Project Integration Management Processes



# Develop Project Charter

- Formally authorize the project.
- Gives the objectives and business case.
- Identifies the Project manager.
- Includes names, description, deliverables.
- E.g.: client's brief.

|                      |  |
|----------------------|--|
| INITIATION           |  |
| PLANNING             |  |
| EXECUTION            |  |
| MONITORING & CONTROL |  |
| CLOSING              |  |





# Develop Preliminary Project Scope Statement

- Prepared by project team.
- Explain how team accomplish the project objectives.
- Description of project scope, objectives, assumptions, constraints, SOW.
- Review clients brief, site visit & verify clients property.
- E.g.: Project scope definition

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|----------------------|--|
| INITIATION           |  |
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# Project Management Plan (PMP)

|                      |  |
|----------------------|--|
| INITIATION           |  |
| PLANNING             |  |
| EXECUTION            |  |
| MONITORING & CONTROL |  |
| CLOSING              |  |

- Document used to coordinate all project planning documents.
- Main purpose is to **guide project execution**.
- Assist the project manager in leading the project team and assessing project status.
- Project performance should be measured against a baseline plan.

# Direct and Manage Project Execution

|                      |  |
|----------------------|--|
| INITIATION           |  |
| PLANNING             |  |
| EXECUTION            |  |
| MONITORING & CONTROL |  |
| CLOSING              |  |

- ◉ Involves managing and performing the work described in the project management plan.
- ◉ Majority of time and money is usually spent on execution.
- ◉ Directly affects project execution because the products of the project are produced during execution.



# Monitor and Control Project Work

|                                 |  |
|---------------------------------|--|
| INITIATION                      |  |
| PLANNING                        |  |
| EXECUTION                       |  |
| <b>MONITORING &amp; CONTROL</b> |  |
| CLOSING                         |  |

- Process to determine whether project on track.
- Monitor against Project Management Plan.
- Any deviation – to take timely corrective action.
- Technical meeting, site meeting, progress report.



# Integrated Change Control

|                                 |  |
|---------------------------------|--|
| INITIATION                      |  |
| PLANNING                        |  |
| EXECUTION                       |  |
| <b>MONITORING &amp; CONTROL</b> |  |
| CLOSING                         |  |

- Involves identifying, evaluating, and managing changes throughout the project life cycle.
- Coordinate through other knowledge areas.
- E.g.: Change request form.

|   |                |
|---|----------------|
| <b>CHANGE REQUEST 24093-D</b>   |                |
| Type: AZB → vehicle interior → air bags   | ID: 24093-D    |
| Deadline: ASAP  | Priority: high |
| Customer:   |                |
| *direct: customer service (internal)  |                |
| *indirect: (future) owners of car type AZB (external)   |                |
| <b>Abstract:</b> Air bags of car type AZB automatically inflate on long distances. This is a severe issue that must be repaired at all cost. Probable cause is a misconfiguration of the car's electric circuit on Board 13-C. A repair plan for dealers should be created and the production department needs an updated design. |                |
| <b>Related documents:</b>   |                |
| *Problem report C253087   |                |
| *Lab test AE13  |                |

# Integrated Change Control

|                                 |  |
|---------------------------------|--|
| INITIATION                      |  |
| PLANNING                        |  |
| EXECUTION                       |  |
| <b>MONITORING &amp; CONTROL</b> |  |
| CLOSING                         |  |

Three main objectives of change control:

- Influence the factors that create changes to ensure they are beneficial.
- Determine that a change has occurred.
- Manage actual changes when and as they occur.



# Close Project

|                      |  |
|----------------------|--|
| INITIATION           |  |
| PLANNING             |  |
| EXECUTION            |  |
| MONITORING & CONTROL |  |
| CLOSING              |  |

- Process to confirm and document end of project.
- Archive documentation for future reference.
- Transition from deliverable to operational use.
- Handover to client.
- Close Contract.



# Summary

Integration is primarily concerned with effectively integrating the processes among the Project Management Process Groups that are required to accomplish project objectives within an organisation's defined procedures.



