



PMBOK® Guide v5 – Process Mapping across Process Groups and Knowledge Areas

| Project Management 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 | |