

PROJECT MANAGEMENT PROCESS GROUP AND KNOWLEDGE AREA MAPPING

| Project Management Knowledge Areas (KAs) | Project Management Process Groups | | | | | No. of Processes in KA |
|--|-----------------------------------|--|---|---|----------------------------|------------------------|
| | Initiating | Planning | Executing | Monitoring and Controlling | Closing | |
| Ch4: 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 | 6 |
| Ch5: 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 |
| Ch6: 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 |
| Ch7: Project Cost Management | | 7.1 Plan Cost Management 7.2 Estimate Cost 7.3 Determine Budget | | 7.4 Control Cost | | 4 |
| Ch8: Project Quality Management | | 8.1 Plan Quality Management | 8.2 Perform Quality Assurance | 8.3 Control Quality | | 3 |
| Ch9: 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 | | | 4 |
| Ch10: Project Communication Management | | 10.1 Plan Communications Management | 10.2 Manage Communications | 10.3 Control Communications | | 3 |
| Ch11: 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 Risk | | 6 |
| Ch12: Project Procurement Management | | 12.1 Plan Procurement Management | 12.2 Conduct Procurement | 12.3 Control Procurement | 12.4 Close Procurement | 4 |
| Ch13: Project Stakeholder Management | 13.1 Identify Stakeholders | 13.2 Plan Stakeholder Management | 13.3 Manage Stakeholder Engagement | 13.4 Control Stakeholder Engagement | | 4 |
| No. of Processes in Process Group | 2 | 24 | 8 | 11 | 2 | 47 |

Project Management Knowledge Area (PMBOK® Definition): "An identified area of project management defined by its knowledge requirements and described in terms of its component processes, practices, inputs, outputs, tools, and techniques."

Project Management Process Group (PMBOK® Definition): "A logical grouping of project management inputs, tools and techniques, and outputs. The Project Management Process Groups include initiating processes, planning processes, executing processes, monitoring and controlling processes, and closing processes. Project Management Process Groups are not project phases."