| | | Project Management Process Groups | | | | |
|-----------------|---|-----------------------------------|---|---|---|------------------------------|
| | | Initiating | Planning | Executing | Monitoring & Control | Closing |
| Knowledge Areas | 1. Project Integration Management | a. Develop Project Charter | b. Develop Project Management Plan | c. Direct and Manage Project Work d. Manage Project Knowledge | e. Monitor and Control Project Work f. Perform Integrated Change Control | g. Close Project or Phase |
| | 2. Project Scope Management | | a. Plan Scope Management b. Collect Requirements c.Define Scope d. Create WBS | | e. Validate Scope f. Control Scope | |
| | 3. Project Schedule Management | | a. Plan Schedule Management b. Define Activities c. Sequence Activities d. Estimate Activity Durations e. Develop Schedule | | f. Control Schedule | |
| | 4. Project Cost Management | | a. Plan Cost Management b. Estimate Costs c. Determine Budget | | d. Control Costs | |
| | 5. Project Quality Management | | a. Plan Quality Management | b. Manage Quality | c. Control Quality | |
| | 6. Project Resource Management | | a. Plan Resource Management b. Estimate Activity Resources | c. Acquire Resources d. Develop Team e. Manage Team | f. Control Resources | |
| | 7. Project Communcations Management | | a. Plan Communcations Management | b. Manage Communications | c. Monitor Communications | |
| | 8. Project Risk Management | | a. Plan Resource Management b. Identify Risks c. Perform Qualitative Risk Analysis d. Perform Quantitative Risk Analysis e. Plan Risk Responses | f. Implement Risk Responses | g. Monitor Risks | |
| | 9. Project Procurement Management | | a. Plan Procurement Management Plan | b. Conduct Procurements | c. Control Procurements | |
| | 10. Stakeholder Management | a. Identify Stakeholders | b. Plan Stakeholder Engagement | c. Manage Stakeholder Engagement | d. Monitor Stakeholder Engagement | |