Project Management Process Group and Knowledge Area Mapping

Knowledge Areas	Process Group				
	Initiating Process Group	Planning Process Group	Executing Process Group	Monitoring and Controlling Process Group	Closing Process Group
Project Integration Management	• Develop Project Charter	• Develop Project Management Plan	• Direct and Manage Project Work • Manage project knowledge	• Monitor and Control Project Work • Perform Integrated Change Control	• Close Project or Phase
Project Scope Management		• Plan Scope Management • Collect Requirements • Define Scope • Create WBS		• Validate Scope • Control Scope	
Project Schedule Management		• Plan Schedule Management • Define Activities • Sequence Activities • Estimate Activity Durations • Develop Schedule		• Control Schedule	
Project Cost Management		• Plan Cost Management • Estimate Costs • Determine Budget		• Control Costs	
Project Quality Management		• Plan Quality Management	• Manage Quality	• Control Quality	

Project Resource Management		• Plan Resource Management • Estimate Activity Resources	• Acquire Resources • Develop Team • Manage Team	• Control Resources	
Project Communications Management		• Plan Communications Management	• Manage Communications	• Monitor Communications	
Project Risk Management		• Plan Risk Management • Identify Risks • Perform Qualitative Risk Analysis • Perform Quantitative Risk Analysis • Plan Risk Responses	• Implement Risk Responses	• Monitor Risks	
Project Procurement Management		• Plan Procurement Management	• Conduct Procurements	• Control Procurements	
Project Stakeholder Management	• Identify Stakeholders	• Plan Stakeholder Engagement	• Manage Stakeholder Engagement	• Monitor Stakeholder Engagement	