

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter	Develop Project Management Plan	Direct and Manage Project Execution	Monitor and Control Project Work	Close Project or Phase
				Perform Integrated Change Control	
Scope		Collect Requirements		Verify Scope	
		Define Scope		Control Scope	
		Create WBS			
Time		Define Activities		Control Schedule	
		Sequence Activities			
		Estimate Activity Resources			
		Estimate Activity Durations			
		Develop Schedule			
Cost		Estimate Costs		Control Costs	
		Determine Budget			
Quality		Plan Quality	Perform Quality Assurance	Perform Quality Control	
Human Resource		Develop Human Resource Plan	Acquire Project Team		
			Develop Project Team		
			Manage Project Team		
Communications	Identify Stakeholders	Plan Communications	Distribute Information	Report Performance	
			Manage Stakeholder Expectations		
Risk		Plan Risk Management		Monitor and Control Risks	
		Identify Risks			
		Perform Qualitative Risk Analysis			
		Perform Quantitative Risk Analysis			
		Plan Risk Responses			
Procurement		Plan Procurements	Conduct Procurements	Administer Procurements	Close Procurements

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration		Develop Project Management Plan	Direct and Manage Project Execution	Monitor and Control Project Work	Close Project or Phase
				Perform Integrated Change Control	
Scope		Collect Requirements		Verify Scope	
		Define Scope		Control Scope	
		Create WBS			
Time		Define Activities		Control Schedule	
		Sequence Activities			
		Estimate Activity Resources			
		Estimate Activity Durations			
		Develop Schedule			
Cost		Estimate Costs		Control Costs	
		Determine Budget			
Quality		Plan Quality	Perform Quality Assurance	Perform Quality Control	
Human Resource		Develop Human Resource Plan	Acquire Project Team		
			Develop Project Team		
			Manage Project Team		
Communications		Plan Communications	Distribute Information	Report Performance	
			Manage Stakeholder Expectations		
Risk		Plan Risk Management		Monitor and Control Risks	
		Identify Risks			
		Perform Qualitative Risk Analysis			
		Perform Quantitative Risk Analysis			
		Plan Risk Responses			
Procurement		Plan Procurements	Conduct Procurements	Administer Procurements	Close Procurements

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter		Direct and Manage Project Execution	Monitor and Control Project Work	Close Project or Phase
				Perform Integrated Change Control	
Scope				Verify Scope	
				Control Scope	
Time				Control Schedule	
Cost				Control Costs	
Quality			Perform Quality Assurance	Perform Quality Control	
Human Resource			Acquire Project Team		
			Develop Project Team		
			Manage Project Team		
Communications	Identify Stakeholders		Distribute Information	Report Performance	
			Manage Stakeholder Expectations		
Risk				Monitor and Control Risks	
Procurement			Conduct Procurements	Administer Procurements	Close Procurements

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter	Develop Project Management Plan		Monitor and Control Project Work	Close Project or Phase
				Perform Inegrated Change Control	
Scope		Collect Requirements		Verify Scope	
		Define Scope		Control Scope	
		Create WBS			
Time		Define Activities		Control Schedule	
		Sequence Activities			
		Estimate Activity Resources			
		Estimate Activity Durations			
		Develop Schedule			
Cost		Estimate Costs		Control Costs	
		Determine Budget			
Quality		Plan Quality		Perform Quality Control	
Human Resource		Develop Human Resource Plan			
Communications	Identify Stakeholders	Plan Communications		Report Performance	
Risk		Plan Risk Management		Monitor and Control Risks	
		Identify Risks			
		Perform Qualitative Risk Analysis			
		Perform Quantitative Risk Analysis			
		Plan Risk Responses			
Procurememt		Plan Procurements		Administer Procurements	Close Procurements

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter	Develop Project Management Plan	Direct and Manage Project Execution		Close Project or Phase
Scope		Collect Requirements			
		Define Scope			
		Create WBS			
Time		Define Activities			
		Sequence Activities			
		Estimate Activity Resources			
		Estimate Activity Durations			
		Develop Schedule			
Cost		Estimate Costs			
		Determine Budget			
Quality		Plan Quality	Perform Quality Assurance		
Human Resource		Develop Human Resource Plan	Acquire Project Team		
			Develop Project Team		
			Manage Project Team		
Communications	Identify Stakeholders	Plan Communications	Distribute Information		
			Manage Stakeholder Expectations		
Risk		Plan Risk Management			
		Identify Risks			
		Perform Qualitative Risk Analysis			
		Perform Quantitative Risk Analysis			
		Plan Risk Responses			
Procurement		Plan Procurements	Conduct Procurements		Close Procurements

Knowledge Areas	Project Management Process Groups				
	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter	Develop Project Management Plan	Direct and Manage Project Execution	Monitor and Control Project Work	
				Perform Integrated Change Control	
Scope		Collect Requirements		Verify Scope	
		Define Scope		Control Scope	
		Create WBS			
Time		Define Activities		Control Schedule	
		Sequence Activities			
		Estimate Activity Resources			
		Estimate Activity Durations			
		Develop Schedule			
Cost		Estimate Costs		Control Costs	
		Determine Budget			
Quality		Plan Quality	Perform Quality Assurance	Perform Quality Control	
Human Resource		Develop Human Resource Plan	Acquire Project Team		
			Develop Project Team		
			Manage Project Team		
Communications	Identify Stakeholders	Plan Communications	Distribute Information	Report Performance	
			Manage Stakeholder Expectations		
Risk		Plan Risk Management		Monitor and Control Risks	
		Identify Risks			
		Perform Qualitative Risk Analysis			
		Perform Quantitative Risk Analysis			
		Plan Risk Responses			
Procurement		Plan Procurements	Conduct Procurements	Administer Procurements	

Knowledge Areas	Project Management Process Groups				