I See Tim Cutting Quality Human Resources Causing Real Problems Soon

	Initiating Process Group	Planning Process Group	Executing Process Group	Monitoring and Controlling Process Group	Closing Process Group
Project Integration Management	Org Process Assets Enterprise Environ. Factors Agreements Project SOW Business Case Develop Project Charter Project Charter	Delphi Technique Affinity Diagrams Nominal Group Context Diagrams Brainstorming Benchmarking Document Analysis Questionnaire or Prototype Develop Project Management Plan Project Management Plan Facilitated Workshops Product Analysis Alternatives Generation Expert Judgement	Direct and Manage Project Work Change Requests, project document, and plan updates Work Performance Data Deliverables Work Performance Information	Monitor and Control Project Work Perform Integrate Change Control Work Performance Report Change Requests Plan Updates Change Log Approved Change Requests Plan Updates Accepted Deliverables	Close Project or Phase Final Product, Service, or Result Transition Org Process Assets
Project Scope Management		Plan Scope Management Collect Requirements Create WBS Define Scope Scope Management Plan Reqs Doc Reqs Management Plan Traceability Matrix Project Scope Statement WBS WBS Dictionary Scope Baseline	Variance Analysis	Control Scope Validate Scope Work Performance Information Plan Updates Verified Deliverables Inspection and Group Decision Making Techniques	
Project Time Management		Plan Time Management Sequence Activities Estimate Activity Durations Define Activities Estimate Activity Resources Develop Schedule Schedule Management Plan Activity List Project Schedule Network Diagram Activity Resource Requirements Activity Duration Estimates Schedule 3 Point PERT Estmates: Beta = (P+4M+O)/6 Triangular = (P+M+O)/6 Standard Deviation = (P-O)/6 Variance = SD squared Crashing (adding resources) and Fast Tracking (overlapping activities) are both Schedule Compression tools.		Control Schedule	
Project Cost Management		Plan Cost Management Estimate Costs Determine Budget Cost Management Plan Activity Cost Estimates and Basis of Estimates Cost Baseline and Project Funding Requirements Net Present Value (NPV) and Benefit Cost Ratio (BCR): Higher value is better for both		Control Costs Earned Value Management Formulas: BAC: Budget at Completion = Project Budget PV: Planned Value = BAC x P%complete EV: Earned Value = BAC x A%complete AC: Actual Costs = Actual spend SPI: Schedule Performance Index = EV/PV SV: Schedule Variance = EV - PV CPI: Cost Performance Index = EV/AC TCPI: To-Complete Performance Index = (BAC-EV)/(BAC-AC) CV: Cost Variance = EV - AC EAC: Estimate at Completion = BAC/CPI ETC: Estimate to Complete = EAC - AC VAC: Variance at Completion = BAC - EAC	
Project Quality Management		Plan Quality Management Quality Checklists Quality Management Plan Process Improvement Plan	Perform Quality Assurance	Control Quality Quality Control Measurements Verified Deliverables 7 Basic Tools of Quality: Control Charts (rule of 7) Cause and Effect Diagrams (Fishbone/Ishikawa) Pareto Charts (80/20 rule, most defects listed first) Flow charts (picture of whole process) Histograms (Compare characteristics - low, critical) Check sheets (for collecting data) Scatter Diagrams (Compare two different data points)	
Project Human Resource Management		Plan Human Resource Management HR Management Plan: 1. Project Org Chart 2. Staffing Management Plan 3. RACI Roles and Responsibilities	Acquire Project Team Develop Project Team Manage Project Team Resource Calendars Team Performance Assessment		
Project Communications Management		Plan Communications Management Communications Management Plan	Manage Communications Project Communications	Control Communications Work Performance Information	
Project Risk Management		Plan Risk Management Perform Qualitative Risk Analysis Identify Risks Perform Quantitative Risk Analysis Plan Risk Responses Risk Management Plan Risk Register		Control Risks	
Project Procurement Management		Plan Procurement Management Procurement Management Plan Source Selection Criteria	Conduct Procurements Selected Seller	Control Procurements	Close Procurements Closed Procurements
Project Stakeholder Management	Identify Stakeholders Stakeholder Register	Plan Stakeholder Management Stakeholder Management Plan	Manage Stakeholder Engagement	Control Stakeholder Engagement	

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This PMP Mindmap was originally posted on http://wholesteading.com by Anthony J. Berg

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