PMP Preparation - PM Process Mindmaps

Icons for Commonly Referred-to Elements
- Expert Judgement
- Meetings
- PM Info System (PMIS)
- Analytical Techniques
- Facilitation Techniques
- Group Decision-making Techs

Common Tools & Techniques

Common Inputs
- Enterprise Environment Factors
- Organization Process Assets
- Project Documents
- Project Mgmt Plan
- Project Charter

Common Outputs
- Work Performance Data
- Work Performance Information
- Work Performance Reports
- Change Request
- Updates
- Deliverable
- Issue Log

PM Processes
- Initiating Process
- Planning Process
- Executing Process
- Monitoring and Controlling Process
- Closing Process

Key Documents
- Project Integration Mgmt
- Project Scope Mgmt
- Project Time Mgmt
- Project Cost Mgmt
- Project Quality Mgmt
- Project HR Mgmt
- Project Communications Mgmt
- Project Risk Mgmt
- Project Procurement Mgmt
- Project Stakeholder Mgmt

Locations
- Baselines
- Management Plan

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BAC = Total Budget Cost
PV = Planned Value % Complete (residualization)*BAC
EV = Earned Value Actual % Complete *BAC
AC = Sum of Costs Spent
CV = Cost Variance EV-AC
CPI = Cost Performance Index (EV/AC)
SV = Schedule Variance EV-PV
SPI = Schedule Performance Index (EV/PV)
EAC = Estimate at Completion (BAC/CPI)
ETC = Estimate to Completion (EAC-AC)

Plan Cost Management

Cost Management Plan
Project Charter
Project Management Plan
Enterprise Environment Factors
Organization Process Assets

Control Costs

Estimate Costs

Cost Management Plan
Project Costing Requirements
PM Software

Determine Budget

Cost Aggregation
Reserve Analysis
Expert Judgment
Internal/External (Estimation parameters)
Funding Limit Reconciliation

Cost-Benefit Analysis
Project Funding Requirements
Project Costing Requirements

Employees
Project Schedule
Risk Register
Organization Process Assets

Cost Management Plan
Work Performance Info
Cost Forecasts
Change Requests
Schedule Performance Index (SPI)
Performance Reviews
Reserve Analysis
PM Software

Meetings
Analytical Techniques

Analogous Estimates
Parametric (multiple)
Bottom-up (most accurate)
3-point Estimates
Reserve Analysis (contingency)
Cost of Quality
PM Software
Vendor Bid Analysis
Group Decision Making