

	Initiating	Planning	Executing	M&C	Closing
I	Develop project charter EF	Dev. Proj. Mng Plan EF	Direct and Manage PW ME;PMIS	Monitor & Control PW ME;PMIS Perform Intergrated Change Control ME; change control tools	Close Project or Phase TEAM
S		Plan Scope Management ME Collect Requirement BCD FF GG I OPQ Benchmarking, Context diagramming, Diagramming techniques, Focus grp, Facilitated workshops, Grp decision making technique, Grp creativity technique, Interview, observation, Prototype, Questionnaire & Surveys Define Scope APE (F) Alternative genaration, Product AnalysisExpert Judgment, Facilitated workshops Create WBS E, Decomposition		Validate Scope G.I. Inspection Group making techniques Control Scope Variance Analysis	
T		Plan Schedule Mng TEAM Define Activities RED Rolling wave Planning, expert judgment, Decomposition Scquence Activities PDL Precedence diagramming methodDependency determinationLead & Lag Estimate Activity Resources BEAAP-PMS Bottomup estimation, expert judgement, Alternative Analysis, Published estimation data Estimate Activity Durations TAPER-G Three point estimation; Analogous estimation; parametric estimation; Expert Judg; Reverse Analysis; Group Decision making technique Develop Schedule SCC-RMLSS Schedule network Analysis; Critical chain methos; Critical path method; Resource Optimization Technique; Modelling technique; Lead & Lag; Schedule compression; Scheduling tools		Control Schedule PER. REVIEW PMS RMLSS Resource Optimization Technique; Modelling technique; Lead & Lag; Schedule compression; Scheduling tools	
C		Plan Cost Mng TEAM Estimate Cost TAPER-G; CoQ, VBA Cost of Quality, Vendor bid analysis Determine Budget CaRa; E; Fund Limit reconciliation;Historical Relationships Cost Aggregation; Reverse Analysis		Control Cost PER. REVIEW PMS RaFT (Reverse Analysis, Forecasting, To-complete performace Index) EVM	
Q		Plan Quality Mng CoQ; CBA; 7;BADS;MEETING Cost of quality; Cost benefit Analysis; 7 basic quality tool; Additional Quality planning tools; benchmarking; Design of experiment; Statistical sampling	Perform Q Assurance PA, QA, QMC	Perform Q Control AS-IS	

			QMC tools;Q Audits, Process Analysis	Approved CR review, Seven Basic Q tools, Inspection, Statistical Sampling	
HR		Plan HR Mng <u>MOONE</u> Meeting; Org Chart & Position description ; Org Theory Negotiation;expert Judg	Acquire Proj. Team <u>PRE-ASSIGNMENT; NEGOTIATION; ACQUISITION; VT; MULTI CRITERIS DECISION ANALYSIS</u> Develop Proj. Team Team building activity, Training;Rewards & Recognition; Performance Assessment tool; Ground rule; co-location; interpersonal skills Manage Proj. Team <u>PICOC</u> Proj team Appraisalinterpersonal skillsConflict ManagementObeservation & Coversation		
C		Plan Com. Mng <u>MC4</u> Meeting, Communication requirement Analysis, Communication Techniques, Communication Methods, Communication Models	Manage Comm. <u>C3; IMS; PERFORMANCE REPORTING</u> Communication Techniques, Communication Methods, Communication Models	Control Comm. <u>ME;IMS</u> Communication Techniques, Communication Methods, Communication Models	
R		Plan Risk Mng TEAM Identify Risks <u>SIDE-DRAACA</u> SWOT analysis, Info Gathering techniques (BIRDS), Diagramming techniques (CSI), Expert judgement, DRAACA (document review; Assumption Analysis: Checklist Analysis) Perform Qual Risk Analysis R4PE Perform Quan Risk Analysis QED Plan Risk Responses (CRESS) Strategies for -ve risks or treat (AATM), Strategies for +ve risk or treat (SEE), Contingent Response Starategy, Expert judgment		Control Risk RA3 MTV Risk Assessment Risk Audit Reverse Analysis Meetings Variance & Trend analysis	
P		Plan Procurement Mng - <u>MM ME</u> Make or Buy analysis Market Research ME	Conduct Procurment <u>PIE-PNAAB</u> Proposal Evaluation Techniques Independent Estimates ('Should-Cost' Estimate) expert judgment Procurement Negotiations Advertising Analytical technics Bidder Conference	Control Procurement <u>PPRIA-PR-CCCS-CA-RMS</u> Inspections and Audits Procurement Performance Reviews Performance Reporting Contract Change Control System Payment System Claims Administration Records Management System (Indexing, Archiving, and Information Retrieval Systems)	Close Procurements <u>(PA-PN-RMS)</u> Procurement Audits (Review of Procurement Processes - for capturing Lessons Learned) Procurement Negotiation Records Management System
SH	Identify Stakeholders MESA expert judgment meetings stakeholder analysis	Plan Stakeholder Mng TEAM	Manage Stakeholders CIM communication methods management skills interpersonal skills	Control Stakeholders ME, IMS	