

	I 2	P 24	E 8	M/C 11	C 2	
<p><math>EV = BAC * \% \text{ complete}</math></p> <p><math>EAC = BAC/CPI</math></p> <p><math>EAC = AC + \text{Bottom UP}</math></p> <p><math>EAC = AC + (BAC-EV)</math></p> <p><math>EAC = AC + (BAC-EV)/(CPI*SPI)</math></p> <p><math>ETC = EAC - AC</math></p> <p><math>ETC = EAC - EV \text{ (no more var)}</math></p> <p><math>ETC = (BAC-EV)/(CPI*SPI)</math></p> <p><math>ETC = (BAC/CPI) - AC</math></p>	I 6	Dev Charter	Pro Man Plan	Manage Proj Work	M/C Proj Work P Int Chg Cntrl	Close Prj or Phase
	S 6	Scatter Diagram — Pareto Diagram — histogram — cause/effect diag — control chart — checklist — 7 basic tools — 7 Qual Tools —	Plan Scope Man Collect Requirement Define Scope W.B.S.	<i>Sigma</i> 68.26 95.46 99.73 99.99	<u>Validate Scope</u> Control Scope	
	T 7		<u>Plan Sch Man</u> <u>Define Activities</u> <u>Sequence Act</u> <u>Est Act Resources</u> <u>Est Act Duration</u> Develop Schedule	<i>PM Power</i> Expert Reward Formal Referent Penalty	Control Schedule	
	C 4		<u>Plan Cost Man</u> <u>Estimate Costs</u> Determine Budget	<i>Maslow</i> Self Actual Self Esteem Social Safety/sec Physiological	Control Costs	
<p><math>VAC = BAC - AC</math></p> <p><math>\% VAC = VAC / BAC * 100</math></p> <p><u><math>\% \text{ Complete} = EV / BAC * 100</math></u></p> <p><math>PertBeta = (P + 4ML + O)/6</math></p> <p><math>Triangular = (P + ML + O)/3</math></p> <p><math>St Dev = (P-O)/6</math></p> <p><math>VAR = [(P-O)/6]^2</math></p> <p><u><math>St Dev All = \text{SUM} [(P-O)/6]^2</math></u></p> <p><math>FV = PV (1+r)^n</math> r=rate</p> <p><math>PV = FV (1+r)^{-n}</math> n=# of periods</p> <p>NPV = Take the Highest</p>	Q 3		Plan Quality Management	Perform Quality Assurance	Control Quality	
	H 4		Plan H R Management	<u>Acquire Proj Team</u> <u>Develop Proj Team</u> Manage Proj Team	<i>McClelland</i> Achievement Affiliation Power	
<p><u><math>TCPI \text{ on } BAC = (BAC-EV)/(BAC-AC)</math></u></p> <p><u><math>\text{On } EAC = (BAC-EV)/(EAC-AC)</math></u></p> <p><b>Strght Line</b></p> <p>—same % every year</p> <p><math>= (\text{cost-res value})/\text{useful life}</math></p> <p><b>DDB—same but double %</b></p> <p>Year 1: 500 - (20% of 500) = 400</p> <p><u>Year 2: 400 - (20% of 400) = 320</u></p> <p><b>Sum Yr Digit—Fraction</b></p> <p>Year 1: 150 - 50 (5/15th of 15) = New book value of 100,000</p> <p>Year 2: 100 - 40 (4/15th of 15) = <u>New book value of 60</u></p> <p><math>PTA = ((\text{Ceiling Price} - \text{Target Price}) / \text{Buyer's Share Ratio}) + \text{Target Cost}</math></p>	C 3		Plan Communications Management	Manage Communications	Control Communications	
	R 6		<u>Plan Risk Management</u> <u>Identify Risks</u> <u>Qualitative</u> <u>Quantitative</u> Plan Risk Responses	<i>Hertzberg</i> Achievement Recognition Challenging Wrk Responsibility Growth & Advancement	Control Risks	
	P 4		Plan Procurement Management	Conduct Procurements	Control Procurements	Close Procurements
<p>IRR = take higher</p> <p>BCR = take higher</p> <p>Communications = <math>n(n-1)/2</math></p> <p><u><math>EMV = \text{Prob } X \text{ Impct in Currency}</math></u></p> <p>ROM = -25% to 75%</p> <p>Budget = -10% to 25%</p> <p><u>Definitive = -5% to 10%</u></p> <p>Free Float = not affect activity</p> <p>Total Float = not affect schedule</p>	S 4	Identify S. H.	Plan Stakeholder Management	Manage S. H. Engagement	Control S. H. Engagement	
	CPM—Walker/Kelly CCM—Goldratt Juran—parteo2quality / Qual planning, control, improvement Deming/Shehart — PDCA Crosby—DIRFT Pareto—80/20 rule Ouchi—Theory of Z			Taguchi—D.O.E. <u>Ishikawa—cause/effect fishbone</u> Hersey—telling, spelling, <u>participating, delegating</u> Tuckman—forming, storming, <u>norming, performing, adjourning</u> <i>PDPC Process Decision Program Charts</i>		