

PMP V6 cheat Sheet

Estimating					
Estimate Types		σ	Strait Line Distribution = A+B+C= tE		
Analogus	Top down	1 σ =68.28%	Estimating with Program Evaluation Review Technique (PERT)		
Parametric	one metric	2 σ =95.46%	Step 1)	σ = Standard Deviation te = Expected Activity Duration	
Bottom Up	most accurate	3 σ =99.73%	Step 2)	Weighed Average Duration or tE = (O+(4xM)+P)÷6	
Three point	Sharpens	6 σ =99.99%	Step 3)	Activity Standard Deviation or σ = (P - O)÷6	
ROM: -25% to +75%			Range of Estimates = tE +/- (x σ)		
Definitivie Estimate: -5% to +10%			Activity Duration Estimates = tE + (x σ)		
Critical Path Method			Expectancy Theory OSU/MSU	8 Step to Closing	
1)FP ES = latest EF + 1 EF = ES+D- 1			Theory of Needs McClelland	1)	Sign off on deliverables
2)BP LF = Earliest LS - 1 LS = LF-D+1			Hierachy of Needs Maslow	2)	Obtain feedback on deliverables
3)Float TF= LF-EF FF=(next)ES-EF+1			Tuchman Latter S.F.N.P.A	3)	Document all Lessons Learned
1)Turn Time and Work into \$ 2)Find 4 Critical Values BAC=The value of all work PV=The value of all planed work AC=How much has been spent EV=The value of the completed work 3) Project Health CV=EV-AC (-\$ over, +\$ under) SV=EV-PV (-\$ behind, +\$ Ahead) CPI=EV÷AC (less 1 over, more 1 under) SPI=EV÷PV (less 1 behind, more 1 Ahead)				4)	Final Project Report
				5)	Archive Records
				6)	Close All Contracts
				7)	Release Team
				8)	Close Project/Phase
4) Forecast			8 Step to Chagne Control Process		
	Normal	ReBaseline	Abnoromal	1)	Use the CMP to Prevent Changes
EAC=	BAC÷CPI	AC + New Estimates	AC + (BAC - EV)	2)	Team Member Identifies the Change
TCPI=	(BAC - EV)÷(BAC -AC)	(BAC - EV)÷(EAC - AC)		3)	Evaluate the Impact of the Change
VAC=	BAC - EAC			4)	Submit the Change Request
ETC=	EAC - AC			5)	Perform Integrated Change Control (using a CCB)
Hyper Drive	AC +(BAC - EV)÷(CPI x SPI) -use only to show worst case			6)	Update Change Request Log & Project Doc.
Conflict Resolution			Reports	7)	Communicate Change to Stakeholders
Withdraw/Avoid			13.2 Risk Report (over all Project Risk)		
Smooth/Accommodate			8.2 Quality Reports (results of the quality audit)		
Force/Direct			4.5 Work Performance Reports (all other reports)		
47 Processes					
	Initiate	Plan	Exectue	Mont/Cont	Close
4.0 - I	1	1	2	2	1
5.0 - S	0	4	1	2	0
6.0 - S	0	5	0	1	0
7.0 - C	0	3	0	1	0
8.0 - Q	0	1	1	1	0
9.0 - R.	0	2	3	1	0
10.0 - COM	0	1	1	1	0
11.0 - R	0	5	1	1	0
12.0 - P	0	1	1	1	0
13.0 - S	1	1	1	1	0
Contract Types					
Risk to PM's Org					
FFP FFIF FF-EPA T&M CPAF CPIF CPFF					
Risk to Contracto's Org					
Potential Comm Channel (n(n-1))/2					
Quality					
	Process			Outputs that become inputs	
8.1	Plan Quality		Plan	Quality Management Plan / Quality Metrics	
8.2	Manage Quality		Check	Quality Reports / Changes to Quality Management plan	
8.3	Control Quality		Do	Verified Deliverables/ Quality control Measurements	