

Task Id	Activity	Pred.	Duration (Month)	Budget (k\$)	Progress	AC	CV	SV	CPI	SPI	EAC
1	Preparation	-	2	600	100%	600	0	0	1	1	600
2	Design	1	3	1200	100%	1400	-200	0	0.85	1	1400
3	Implementation	2	2	400	50%	200	0	0	1	1	400
4	Testing	2	3	1200	33.3%	500	100	0	0.8	0	1500
5	Deployment	4	3	300	0%	0	0	0	0	1	300
Total			11	3700		2700					4200

$$CV = EV - AC = 2400 - 2700 = -300$$

$$SV = EV - PV = 2400 - 2400 = 0$$

$$CPI = EV / AC = 2400 / 2700 = 0.89$$

$$SPI = EV / PV = 2400 / 2400 = 1$$

$$EAC = BAC / CPI = 3700 / 0.89 = 4200$$

Q1) Over budget by 300K\$

Q2) Ahead schedule by 30days

Q3) Over budget by 500K\$

Q4) CV = -300, SV = 0, CPI = 0.89, SPI = 1, EAC = 4200