

EVM

$EV = \text{BUDGET} \times \% \text{ PROGRESS}$

$CV \text{ (COST VARIANCE)} = EV - AC \text{ (ACTUAL COST)}$

$SV \text{ (SCHEDULE VARIANCE)} = EV - PV$

$CPI \text{ (COST PERFORMANCE INDEX)} = EV / AC$

$SPI \text{ (SCHEDULE PERFORMANCE INDEX)} = EV / PV$

$EAC \text{ (ESTIMATE AT COMPLETION)} = BAC / CPI$

$EAC = AC + BAC - EV$

$BAC = \text{BUDGET AT COMPLETION}$

	K\$	progress	Months duration	AC	EV	CV	PV	SV
Preparation	600	100	2	60	600	0	600	0
Design	1200	100	3	1400	1200	-200	1200	0
Implementation	400	50	2	200	200	0	400	-200
Testing	1200	33.3	3	500	500	-100	800	-400
Deployment	300	0	3	0	0	0	0	0
BAC	3700	64.89		2400	2700	-300	300	-600

The project is over budget by 300k% and delayed by 1 month
When the end it will be over budget by 600 k

- $CPI = EV/AC = 88.89\%$
- $SPI = EV/PV = 80\%$
- $EAC = BAC/CPI = 4162.5$
- $EAC = AC + BAC - EV = 4000$