**Monitoring Via EVM**

* How much is it Over/Under budget?
* The project is over budget by $300,000.
* How many days, is it ahead/behind the schedule?
* The project is late by 1 month.
* By the end of the project, how much will it be Over / Under Budget?
* $500,000 more than budget.

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* CV is the cost variance (CV = EV - AC)

AC = 600 + 1400 + 200 + 500 = 2700K

EV = 600 + 1400 + (0.5 \* 400) + (0.33 \* 1200) = 2600K

CV = 2600 - 2700 = -300K

* SV is the schedule Variance (SV = EV - PV)

PV = scheduled work \* BAC

PV = 3 \* 2200 = 6600K

SV = 2600 - 400 = 2200K

* CPI is the cost Performance Index (CPI = EV / AC)

CPI = EV / AC

CPI = 2600 / 2700 = 0.962 > 1 which is over budget

* SPI is the schedule performance index (SPI = EV / PV)

SPI = EV / PV

SPI = 2600 / 6600 = 0.4

* EAC is the estimate at Completion is the current expectation (EAC = BAC / CPI)

EAC = 2200 / 0.962 = 2291.667