EVM Formula Cheat Sheet

Value	Formula
Schedule % Complete	$Schedule\ \%\ Complete = \frac{Data\ Date - Baseline\ Start}{Baseline\ Finish - Baseline\ Start}$
Planned value	$PV = Schedule\ \%\ Complete \times TV$ TV = Total Value = Budget At Completion = BAC
Earned Value	$EV = Performance\ \%\ Complete \times TV$
Schedule Variance	$SV(€) = EV - PV$
Schedule Performance Index	$SPI(€) = \frac{EV}{PV}$
Cost Variance	$CV\ (€) = EV - AV$
Cost Performance Index	$CPI(€) = \frac{EV}{AC}$
Schedule Variance (Time)	$SV(t) = ES - DD$ ES = Earned Schedule = the date that PV equals EV DD = Data Date
Schedule Performance Index (Time)	$SPI(t) = \frac{ES}{DD}$
Estimated To Complete (extrapolation of actuals)	$ETC\ (€) = \frac{TV - EV}{CPI}$
Estimate At Complete (general)	$EAC\ (€) = AC + ETC$
Variance At Complete	$VAC\ (€) = TV - EAC$
To Complete Performance Index $_{to\ BAC}$	$TCPI_{to\ BAC} = \frac{BAC - EV}{BAC - AC}$
To Complete Performance Index $_{to\ EAC}$	$TCPI_{to\ BAC} = \frac{BAC - EV}{EAC - AC}$
(Independent) Estimate At Complete (time)	$EAC(t) = PS + \frac{PD - PS}{SPI(t)}$ PS= Project Start date PD= Planned Project Finish date