Formulas

- PERT
  - Expected = (O+4M+P)/6;
  - Standard Deviation = (P-O)/6
- Float/Slack = LS-ES = LF-EF
- Duration = LF-LS = EF-ES
- EVT
  - Planed Value = BCWS
  - Earned Value = BCWP
  - Project Budget = BAC + MR (Management Reserve)
  - $\sum PV$ = BAC (Cost Baseline)
  - SV = EV - PV
  - CV = EV - AC
  - SPI = EV / PV
  - CPI = EV / AC
  - SVP = SV/ PV
  - CVP = CV / EV
  - CR = SPI x CPI
  - VAC = BAC – EAC
- Forecast
  - EAC = AC + ETC
  - ETC = BAC – EV (Atypical Case)
  - ETC = (BAC – EV)/ CPI (Typical Case) -> (EAC = BAC / CPI)
  - ETC = (BAC – EV)/ CR (Typical Case)
  - TCPI = Work Remaining / Fund Remaining
- Communication Channels = N x (N-1) / 2
- Procurement
  - Final Price = Actual Cost + Target Fee/Profit + (Target Cost – Actual Cost) x Seller Ratio
  - Point of Total Assumption (PTA) = [(Ceiling Price - Target Price)/ Buyer Sharing Ratio] + Target Cost