

Execution

Direct and Manage Project Execution

Deliverables
Change Requests

Distribute Information

Manage Stakeholder Expectations

Change Requests

Acquire Project Team

Project Staff Assignments
Resource Calendar

Develop Project Team

Team Performance
Assessments

Manage Project

Change Requests

Perform Quality Assurance

Change Requests

Conduct Procurements

Selected Sellers
Procurement Award

Monitor & Control

Project Management
Plan

Work
Performance
Information

Quality Metrics
Requirements
Traceability
Matrix

Monitor and Control Project Work

Perform Integrated Change Control

Control Scope

Control Schedule

Control Cost

Monitoring & Control Risks

Administer Procurements

Perform Quality Control

Report Performance

Verify Scope

Project Plan
Updates

Accepted Deliverables

| | | | | | |
|-----------------------------------|-----|---|-----|---|-------|
| Earned Value | EV | = | BAC | * | %Comp |
| Cost Variance | CV | = | EV | - | AC |
| Schedule Variance | SV | = | EV | - | PV |
| Cost Performance Index | CPI | = | EV | / | AC |
| Schedule Performance Index | SPI | = | EV | / | PV |
| Estimate At Completion | EAC | = | AC | / | %Comp |
| Estimate To Complete | ETC | = | EAC | - | AC |
| Variance At Completion | VAC | = | BAC | - | EAC |

3 Point Est.

$$(P+M+O)/3$$

$$\text{Present Value} = \frac{FV}{(1+r)^n}$$

r = interest rate

n = # of time periods

Comm. Channels

$$\frac{N(N-1)}{2}$$

Std. Dev.

$$\frac{(P-O)}{6}$$

Task Variance

$$\left(\frac{(P-O)}{6} \right)^2$$

Project Std. Dev = Sq. Rt. of the sum of the task variances

$$TCPI = \frac{BAC - EV}{(BAC - AC) \text{ or } (EAC - AC)}$$

Closing

Deliverables

Procurement Documentation

Close Project or Phase

Close Procurements

Final Product

Closed Procurements