



### PERFORMANCE BASELINE COMPONENTS

Performance Baseline (TPC, Total Project Cost)	PB = CBB + Non-Contract Costs
Contract Budget Base	CBB = PMB + MR
Performance Measurement Baseline	PMB = CAs + UB + SLPPs
Summary Level Planning Package	SLPP = far-term activities not yet defined into CAs
Control Account	CA = WPs + PPs (lowest WBS element assigned)
Management Reserve	MR = held by contractor, based on contractor risks
Undistributed Budget	UB = activities not yet distributed to CA
Work Package	WP = near-term, detail-planned activities within a CA
Planning Package	PP = far-term activities within a CA

### VARIANCES

Favorable is Positive, Unfavorable is Negative

Cost Variance	CV = BCWP - ACWP	CV% = (CV / BCWP) * 100
Schedule Variance	SV = BCWP - BCWS	SV% = (SV / BCWS) * 100
Variance at Completion	VAC = BAC - EAC	

### OVERALL STATUS

% Schedule	= (BCWS <sub>CUM</sub> / BAC) * 100
% Complete	= (BCWP <sub>CUM</sub> / BAC) * 100
% Spent	= (ACWP <sub>CUM</sub> / BAC) * 100

### PERFORMANCE INDICES

Favorable is > 1.0, Unfavorable is < 1.0

Cost Performance Index	CPI = BCWP / ACWP
Schedule Performance Index	SPI = BCWP / BCWS
Elapsed Time Index	ETI = Baseline Duration / Actual Duration

### EVMS BASIC COMPONENTS

Calculations may be based on specific time periods, e.g. monthly, cumulative, etc.

Actual Cost of Work Performed	ACWP = AC	Actual Cost
Budgeted Cost for Work Performed	BCWP = EV	Earned Value
Budgeted Cost for Work Scheduled	BCWS = PV	Planned Value
Budget at Completion (cumulative)	BCWS <sub>CUM</sub> = BAC <sub>CUM</sub>	

### BASELINE EXECUTION INDEX (BEI) (Schedule Metric)

BEI = # of Baseline Tasks Actually Completed / # of Baseline Tasks Scheduled for Completion

### CRITICAL PATH LENGTH INDEX (CPLI) (Schedule Metric)

CPLI = (Critical Path Duration + Float Duration<sub>(to baseline finish)</sub>) / Critical Path Duration

### TO COMPLETE PERFORMANCE INDEX (TCPI)

TCPI<sub>EAC</sub> = Work Remaining / Cost Remaining = (BAC - BCWP<sub>CUM</sub>) / (EAC - ACWP<sub>CUM</sub>)

### OVERALL STATUS

% Schedule	= (BCWS <sub>CUM</sub> / BAC) * 100
% Complete	= (BCWP <sub>CUM</sub> / BAC) * 100
% Spent	= (ACWP <sub>CUM</sub> / BAC) * 100

### PERFORMANCE INDICES

Favorable is > 1.0, Unfavorable is < 1.0

Cost Performance Index	CPI = BCWP / ACWP
Schedule Performance Index	SPI = BCWP / BCWS
Elapsed Time Index (1.0 is perfect)	ETI = Baseline Duration / Actual Duration

### COMPLETION ESTIMATES

Estimate at Completion, general	EAC	= BAC / CPI <sub>CUM</sub>
Estimate at Completion, CPI	EAC <sub>CPI</sub>	= AC <sub>CUM</sub> + WR / CPI <sub>CUM</sub>
Estimate at Completion, composite	EAC <sub>composite</sub>	= AC <sub>CUM</sub> + WR / (CPI <sub>CUM</sub> * SPI <sub>CUM</sub> )
Estimate to Complete	ETC	= EAC - AC <sub>CUM</sub>
Latest Revised Estimate	LRE	

EVMS POLICY: EVMS in accordance with ANSI/EIA-748 is required for cost or incentive contracts, subcontracts, intra-government work agreements, and other agreements valued at or above \$20M. EVMS contracts at or above \$50M require that the EVM system be formally validated by the cognizant contracting officer.

## CONTACT DEKKER TODAY

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