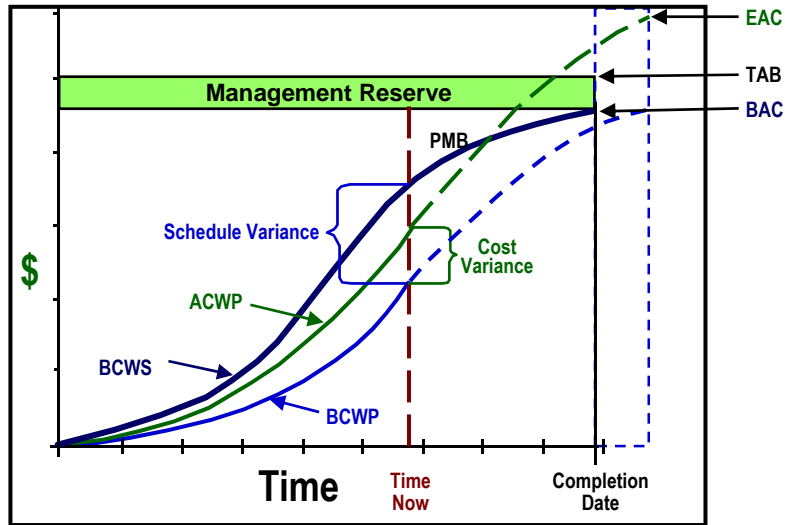


'GOLD CARD'



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 _{CUM} / BAC) * 100
% Complete	= (BCWP _{CUM} / BAC) * 100
% Spent	= (ACWP _{CUM} / BAC) * 100

TW DoD TRIPWIRE METRICS

TW Cost Efficiency	CPI = BCWP / ACWP	Favorable is > 1.0, Unfavorable is < 1.0
TW Schedule Efficiency	SPI = BCWP / BCWS	Favorable is > 1.0, Unfavorable is < 1.0

TW BASELINE EXECUTION INDEX (BEI) = A Schedule Metric

$$BEI = \frac{\text{Tasks with Actual Finish Date}}{\text{(# of Baseline Tasks Scheduled to Finish Prior to Status Date + Tasks Without Baseline Dates)}}$$

TW CRITICAL PATH LENGTH INDEX (CPLI) = A Schedule Metric

$$CPLI = \frac{\text{CP Length}_{(\text{Time Now To Contract End})} + \text{Total Float}_{(\text{To Contract End Baseline Finish})}}{\text{CP Length}}$$

$$\text{Hit / Miss} = \frac{\text{Month's Tasks Completed ON or AHEAD}}{\text{Month's Tasks Scheduled to Complete}}$$

ESTIMATE @ COMPLETION (EAC) = Actuals to Date + [(Remaining Work) / (Performance Factor)]

$$EAC_{CPI} = ACWP_{CUM} + \frac{[(BAC - BCWP_{CUM}) / CPI_{CUM}]}{CPI_{CUM}}$$

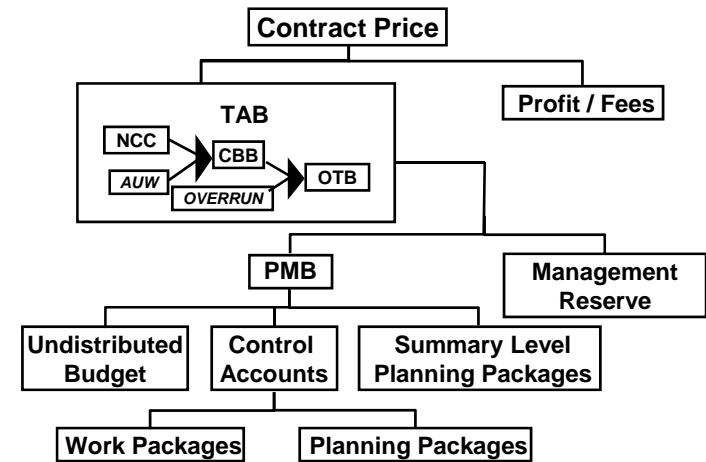
$$EAC_{Composite} = ACWP_{CUM} + \frac{[(BAC - BCWP_{CUM}) / (CPI_{CUM} * SPI_{CUM})]}{CPI_{CUM} * SPI_{CUM}}$$

\$ TO COMPLETE PERFORMANCE INDEX (TCPI)

$$TCPI_{EAC} = \frac{\text{Work Remaining}}{\text{Cost Remaining}} = \frac{(BAC - BCWP_{CUM})}{(EAC - ACWP_{CUM})}$$

To Determine a Contract Level TCPI or EAC; You May Replace BAC with TAB

§ To Determine the TCPI_{BAC or LRE} Substitute BAC or LRE for EAC



ACRONYMS

ACWP Actual Cost of Work Performed	Cost actually incurred in accomplishing work performed	= ACTUAL COST
AUW Authorized Unpriced Work	Work contractually approved, but not yet negotiated / definitized	
BAC Budget At Completion	Total budget for total contract thru any given level	
BCWP Budgeted Cost for Work Performed	Value of completed work in terms of the work's assigned budget	= EARNED VALUE
BCWS Budgeted Cost for Work Scheduled	Time-phased Budget Plan for work currently scheduled	= PLANNED VALUE
CA Control Account	Lowest CWBS element assigned to a single focal point to plan & control scope / schedule / budget	
CBB Contract Budget Base	Sum of NCC & AUW	
EAC Estimate At Completion	Estimate of total Cost for total contract thru any given level may be generated by Ktr, PMO, DCMA, etc. = EAC _{Ktr / PMO / DCMA}	
LRE Latest Revised Estimate	Ktr's EAC or EAC _{Ktr}	
MR Management Reserve	Budget withheld by Ktr PM for unknowns / risk management	
NCC Negotiated Contract Base	Contract Price Minus profit or fee(s)	
OTB Over Target Baseline	Sum of CBB & recognized overrun	
PAC Price At Completion	NCC Plus Profit or Fee(s)	
PMB Performance Measurement Baseline	Contract time-phased budget plan	
PP Planning Package	Far-term CA activities not yet defined into WPs	
SLPP Summary Level Planning Package	Far-term activities not yet defined into CAs	
TAB Total Allocated Budget	Sum of all budgets for work on contract = NCC, CBB, or OTB	
TCPI To Complete Performance Index	Efficiency needed from 'time now' to achieve a BAC, EAC, or LRE	
UB Undistributed Budget	Broadly defined activities not yet distributed to CAs	
WP Work Package	Near-term, detail-planned activities within a CA	

EVM POLICY: DoDI 5000.02, Encl 4. Table 5. EVMS in accordance with ANSI/EIA-748 is required for cost or incentive contracts, subcontracts, intra-government work agreements, & other agreements valued ≥ \$20M (Then-Yr \$). EVMS contracts ≥ \$50M (TY \$) require that the EVM system be formally validated by the cognizant contracting officer. Additional Guidance in Defense Acquisition Guidebook & Earned Value Management Implementation Guide (EVMIG). EVMS is discouraged on Firm-Fixed Price & Time & Material Contracts; & LOE activities regardless of cost.

EVM CONTRACTING REQUIREMENTS:

FAR EVM Clauses NOT FOR DoD – 52.234-2 for Solicitation = Pre-Award IBR or – 52.234-3 = Post Award IBR
– 52.234-4 for Solicitation & Contract

DoD Use DFARS CLAUSES ≥ \$20M – 252.234-7001 "NOTICE OF EVMS" FOR SOLICITATIONS
– 252.234-7002 "EVMS" FOR SOLICITATIONS & CONTRACTS

CONTRACT PERFORMANCE REPORT – DI-MGMT-81466A* 5 FORMATS = WBS, ORGANIZATION, BASELINE, STAFFING, EXPLANATION
INTEGRATED MASTER SCHEDULE – DI-MGMT-81650* MANDATORY FOR DoD EVMS CONTRACTS
INTEGRATED BASELINE REVIEW – MANDATORY FOR ALL EVMS CONTRACTS

* Refer to the EVMIG for CPR & IMS tailoring guidance

EVM Home Page = <https://acc.dau.mil/evm>
eMail Address: EVM.dau@dau.mil
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