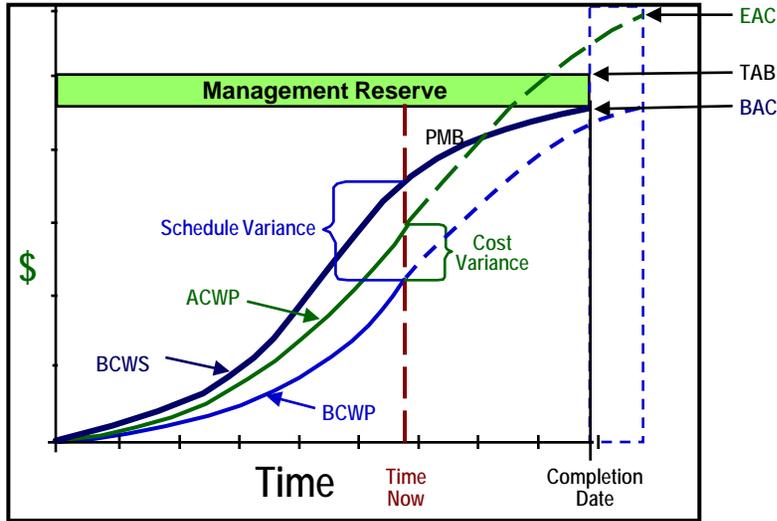


## 'GOLD CARD'



**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

$BEI = \text{Tasks with Actual Finish Date} / (\# \text{ of Baseline Tasks Scheduled to Finish Prior to Status Date} + \text{Tasks Missing Baseline Start or Finish Date})$

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

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

**Hit / Miss** = Month's Tasks Completed ON or AHEAD / Month's Tasks Scheduled to Complete

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

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

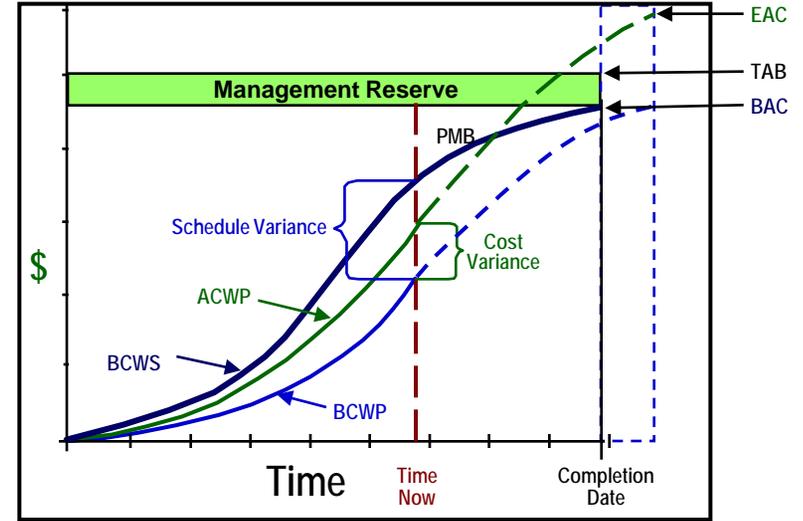
### # \$ TO COMPLETE PERFORMANCE INDEX (TCPI)

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

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

\$ To Determine the TCPI <sub>BAC or LRE</sub> Substitute BAC or LRE for EAC

## 'GOLD CARD'



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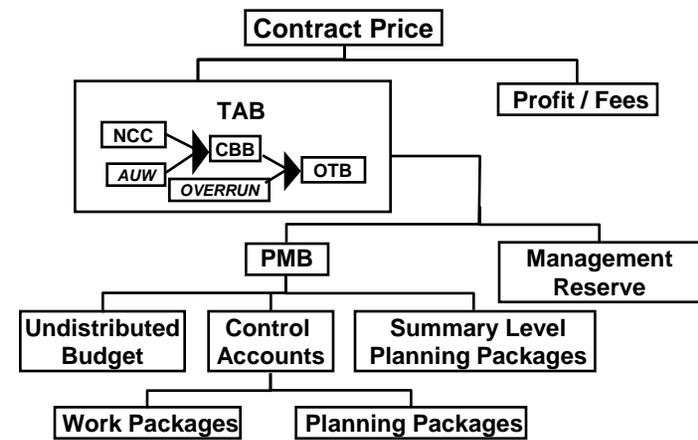
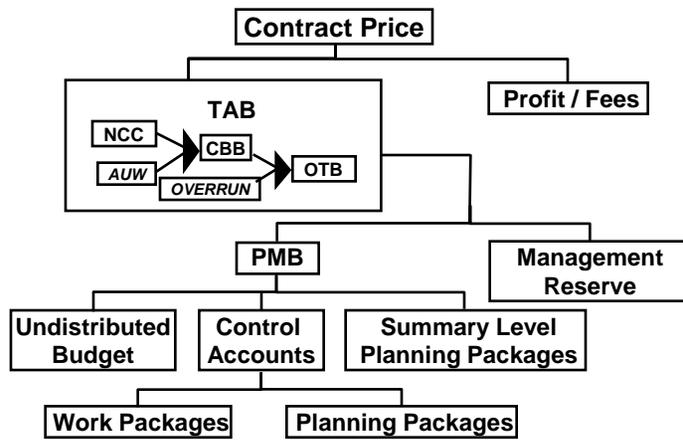
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**ACRONYMS**

<b>ACWP</b> Actual Cost of Work Performed	Cost actually incurred in accomplishing work performed	= ACTUAL COST
<b>AUW</b> Authorized Unpriced Work	Work contractually approved, but not yet negotiated / definitized	
<b>BAC</b> Budget At Completion	Total budget for total contract thru any given level	
<b>BCWP</b> Budgeted Cost for Work Performed	Value of completed work in terms of the work's assigned budget	= EARNED VALUE
<b>BCWS</b> Budgeted Cost for Work Scheduled	Time-phased Budget Plan for work currently scheduled	= PLANNED VALUE
<b>CA</b> Control Account	Lowest CWBS element assigned to a single focal point to plan & control scope / schedule / budget	
<b>CBB</b> Contract Budget Base	Sum of NCC & AUW	
<b>EAC</b> Estimate At Completion	Estimate of total Cost for total contract thru any given level may be generated by Ktr, PMO, DCMA, etc. = $EAC_{Ktr / PMO / DCMA}$	
<b>LRE</b> Latest Revised Estimate	Ktr's EAC or $EAC_{Ktr}$	
<b>MR</b> Management Reserve	Budget withheld by Ktr PM for unknowns / risk management	
<b>NCC</b> Negotiated Contract Cost	Contract Price Minus profit or fee(s)	
<b>OTB</b> Over Target Baseline	Sum of CBB & recognized overrun	
<b>PAC</b> Price At Completion	NCC Plus Profit or Fee(s)	
<b>PMB</b> Performance Measurement Baseline	Contract time-phased budget plan	
<b>PP</b> Planning Package	Far-term CA activities not yet defined into WPs	
<b>SLPP</b> Summary Level Planning Package	Far-term activities not yet defined into CAs	
<b>TAB</b> Total Allocated Budget	Sum of all budgets for work on contract = NCC, CBB, or OTB	
<b>TCPI</b> To Complete Performance Index	Efficiency needed from 'time now' to achieve a BAC, EAC, or LRE	
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**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  $\geq$  \$20M (Then-Yr \$). EVMS contracts  $\geq$  \$50M (TY \$) require that the EVMS 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.

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**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** DFAR CLAUSES  $\geq$  \$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
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EVM Home Page = <https://acc.dau.mil/evm>  
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