DOE EVMS GOLD CARD

**PERFORMANCE BASELINE COMPONENTS**

(Performance Baseline must clearly document scope/KPPs, TPC and CD-4 date)

- **AUW** = Authorized Unpriced Work (contractually approved, but not yet negotiated)
- **CA** = Control Account (includes AUW) = WPs + PPs
- **CBB** = Contract Budget Base = PMB + MR
- **CP** = Contract Price = CBB + profit/fee
- **MR** = Management Reserve is held by contractor (Contingency is held by DOE)
- **PB** = Performance Baseline (TPC) = CP + Contingency + DOE ODC
- **PMB** = Performance Measurement Baseline = CAs + UB + SLPPs
- **PP** = Planning Package (far-term activities within a CA)
- **SLPP** = Summary Level Planning Package
- **UB** = Undistributed Budget (activities not yet distributed to CA)
- **WP** = Work Package (near-term, detail-planned activities within a CA)

**EVMS BASIC COMPONENTS**

- **AC or ACWP** = Actual Cost = ACWP = Actual Cost of Work Performed
- **EV or BCWP** = Earned Value = BCWP = Budgeted Cost of Work Performed
- **PV or BCWS** = Planned Value = BCWS = Budgeted Cost of Work Scheduled
- **BAC** = Budget at Completion = Σ BCWS = Sum of Budgeted Cost of Work Scheduled

For analysis purposes, AC, EV and PV calculations may be based on various time periods, e.g., monthly, cumulative, last 3 months from CD-2 or BCP or internal replan.

**VARIANCES**

- **CV** = EV - AC = BCWP - ACWP = Cost Variance
- **SV** = EV - PV = BCWP - BCWS = Schedule Variance
- **CV%** = (EV - AC) / EV = (BCWP - ACWP) / BCWP = Cost Variance (%)
- **SV%** = (EV - PV) / PV = (BCWP - BCWS) / BCWS = Schedule Variance (%)

**OVERALL STATUS**

- % scheduled = PVcum / BAC = BCWScum / BAC
- % complete = EVcum / BAC = BCWPcum / BAC
- % budget spent = ACcum / BAC = ACWPcum / BAC
- Work Remaining (WR) = BAC - EVcum = BAC - BCWPcum

**PERFORMANCE INDICES**

- **CPI** = EV / AC = BCWP / ACWP = Cost Performance Index
- **SPI** = EV / PV = BCWP / BCWS = Schedule Performance Index
- **TCPI_{BAC}** = WR / (BAC - ACWPcum) = BAC-based To Complete Performance Index
- **TCPI_{EAC}** = WR / (EAC - ACWPcum) = EAC-based To Complete Performance Index

**COMPLETION ESTIMATES**

- **EAC** = BAC / CPI_{cum} = Estimate at Completion (general)
- **EAC_{CPI}** = ACcum + WR / CPI_{cum} = Estimate at Completion (CPI)
- **EAC_{composite}** = ACcum + WR / (CPI_{cum} ∙ SPI_{cum}) = Estimate at Completion (composite)
- **ETC** = EAC - ACcum = Estimated to Complete