**Earned Value Management**

**'Gold Card'**

**Overview**
- **Management Reserve**
- **Budget vs. Performance**
- **ACWP** (Actual Cost of Work Performed)
- **EAC** (Estimate at Completion)
- **BAC** (Budget at Completion)
- **CV** (Cost Variance)
- **SV** (Schedule Variance)
- **VAC** (Variances at Completion)

**Variance Calculation**
- **Cost Variance (CV)**: $CV = BCWP - ACWP$
- **Schedule Variance (SV)**: $SV = BCWP - BCWS$
- **Variance at Completion (VAC)**: $VAC = BAC - EAC$

**Efficiencies**
- **Cost Efficiency (CPI)**: $CPI = BCWP / ACWP$
- **Schedule Efficiency (SPI)**: $SPI = BCWP / BCWS$

**Schedule Metrics**
- **BEI** (Budget Efficiency Index)
- **Hit Task %**

**Estimate @ Completion**
- $EAC_{CP} = ACWP_{Cum} + \frac{(BAC - BCWP_{Cum})}{CPI_{Cum}}$
- $EAC_{Composite} = ACWP_{Cum} + \frac{(BAC - BCWP_{Cum})}{CPI_{Cum} + SPI_{Cum}}$

**To Complete Performance Index (TCPI)**
- $TCPI_{Target} = \frac{Work Remaining}{Cost Remaining} = \frac{(BAC - BCWP_{Cum})}{(Target - ACWP_{Cum})}$

**EVM Policy**
- DoD's EVM Contracting Requirements
  - DFARS Clauses
  - EVM in accordance with EIA-748 is required for cost or incentive contracts, subcontracts, intra-government work agreements, & other agreements valued > $20M (FY $). Contracts > $100M# (FY $) require that the EVMS be formally validated by the cognizant contracting officer. # Class Deviation-Earned Value Management System Threshold (9/1/15)

**EVM CoP**
- https://www.dau.mil/cop/evm
- eMail Address: EVM.dau@dau.mil
- Revised SEP 2018