



SEAPOWERTHROUGHENGINEERING



EVM Exercise

3.6.3

TOPIC LEARNING OBJECTIVES

Upon successful completion of this topic, the student will be able to:

1. Analyze and interpret Contractor performance indicators (cost variance, schedule variance, SPI & CPI) to explain the program's cost and schedule status and identify trends and problems.
2. Given performance data, calculate an estimate of cost at completion (EAC).

STUDENT PREPARATION

Student Support Material

1. DAU EVM Gold Card Handout
2. Google Classroom Assignment

Primary References

1. Integrated Program Management Policy and Guidance: DoD Earned Value Management Implementation Guide
<https://www.acq.osd.mil/asda/ae/ada/ipm/policy-guidance.html#guides-references>
2. ANSI/EIA-748-C Standard for Earned Value Management Systems

Additional References

1. <http://www.acq.osd.mil/evm/>
2. DAU EVM 101 Fundamentals of Earned Value Management



Overview

- Given a two-period summary, compute the following
 - SV, SPI (Period and Cumulative)
 - CV, CPI (Period and Cumulative)
 - TCPI to budget
 - EAC forecast
 - Estimated overrun/underrun
 - Estimated KTR profit
 - Estimated Government cost
 - Estimated POM request