

Earned Value Experience™ and EVPrep Workshop

"Get ready to take the AACEI Earned Value Professional (EVP) examination"

Course #: PC0400

Earned PDU: 21 PDU

Duration: 3 Days

Overview:

Once the project is planned and scheduled, an earned value management baseline should be put in place to monitor the project's cost and schedule performance.

Our Earned Value Experience workshop takes the mystery out of using earned value management on your projects. This workshop uses our proprietary MS Excel templates to teach you the basics of earned value management. You'll experience creating an earned value management baseline, determining earned value from project status, calculating earned value management indices, and estimating final cost and completion date. The workshop includes the new earned schedule method to improve schedule prediction. This workshop is perfect for team leads, cost account managers, financial and schedule control staff, project and program managers, and chief project officers. Templates may be retained by attendees to implement earned value management in their organization.

This workshop covers all the essential knowledge needed to apply earned value management to your projects. It is a hands-on workshop using MS Excel templates to teach the concepts. This avoids the need to try to learn both an unfamiliar earned value application and the concepts at the same time. When completed, you will understand the role of control account managers (CAM), and how to determine where to place control accounts within your projects. You will also experience how earned value data analysis provides insight into cost and schedule performance. Whether you are a CAM, PM, or portfolio manager this workshop will give you the experience you need to apply and understand earned value management.

The AACEI Earned Value Professional certification is the only industry recognized professional certification for career minded earned value management professionals. Our EVPrep™ workshop prepares you for all four sections of the AACEI day long EVP exam. You may understand EVM, but are you prepared for the exam? You can practice EVM everyday and still not cover some of the exam topics! This workshop was developed by two EVPs with extensive EVM experience to help you pass this exam. The workshop covers all the topics covered in the exam and provides sample questions and workshop discussion about each question and the possible answers. This workshop also includes a sample of the exam's essay question involving analysis of EVM data. No one likes to sit through an all day exam. Take this workshop to help ensure you take the exam only once! More details about the EVP certification are found with the workshop outline.

Who Should Attend?

Project managers, team members, project engineers, design engineers, project leaders, industrial engineers, program managers, operations managers, functional managers, information technology professionals, and all Individuals need to learn the Earned Value Management and apply them to their projects to add values and improve the rate of return.

Course Materials:

- Comprehensive course -In-Book Training material
- A Practical Guide to Earned Value Management
- The Earned Value Management Maturity Model
- Completion Certificate (21 Contact Hours)

Course Fees: USD 1,450

Schedule: www.pmctquest.com/schedule.html

Course Outline:

The outline of the THREE day Earned Value Experience™ and EVPrep is *tailorable* to your needs. Sections on US Office of Management and Budget (OMB), IT project management, the ANSI 748 standard, and the Earned Value Management Maturity Model® can be replaced with specific implementation training for your organization.

Let your project teams make their earned value mistakes with our scenario, not their real project!

Course Outline Part 1:

<p>Why use Earned Value Management (EVM)?</p> <ul style="list-style-type: none"> • The One Minute Project Review • Historic Project Management Metrics, Why They Fail • Traditional Project Reporting • Project Reporting with EVM • Questions That EVM Allows Us to Answer <p>Basic Earned Value Concepts</p> <ul style="list-style-type: none"> • Basic EVM Concepts • The Planned Value (PV) • The Earned Value (EV) • The Actual Cost (AC) • Organizing the Project for EVMS • Content of a WBS • Establishing Management Control Cells • Control Cell Accountability <p>Using EVM to Capture the Project Plan</p> <ul style="list-style-type: none"> • Example : Planning and Budgeting a Project • Schedule Integration • Planning at the Control Account • Charting the Plan to Build Equity • Work Package Planning • Exercise - Planning Work Packages • Sample of Work Package Planning • Non Labor Tasks (Material and Subcontracts) • Far Term Tasks-Planning Packages <p>Collecting EVM Project Data</p> <ul style="list-style-type: none"> • Evaluating Project Performance (Execution and Control) • Obtaining the Earned Value Management Data • Reporting Progress at the Control Account • Analyzing Variances From the Plan • What Is Not a Variance • Sample of Project Status and Variances 	<p>Estimating Final Project Cost and Schedule</p> <ul style="list-style-type: none"> • Estimating the Final Cost • Some EAC Formulas • Application of EAC Formulas • Estimating the Completion Date • Using EVMS at the Team Level • Just How Good Is the EVM Data? • Recap –How to Establish Your EVM Baseline • Recap –How to Perform EVM Accounting <p>Challenges in Applying EVM to IT Projects</p> <ul style="list-style-type: none"> • Key IT Risks • IT Project's Deferred Performance Scenario • Why Software Projects Are Unique • Warning Indicators • A Software Project WBS • Software Maintenance • Managing Software Maintenance <p>OMB Expectations for Agency Use of EVM</p> <ul style="list-style-type: none"> • View from the Government • Business Case Scoring • Scoring "Performance Based Management" • OMB Expectations for Earned Value Management • A-11, Part 7 Policy for Major Acquisitions • Exhibit 300, Capital Asset Plan and Business Case • The Capital Programming Guide <p>The ANSI EVM Standard</p> <ul style="list-style-type: none"> • International Standards for EVMS • ANSI 748-98 Criteria • Organizational Process Areas • Planning Process Area • Accounting Process Area • Analysis Process Area • Revisions Process Area • EVM Resources
<p>Analyzing EVM data</p> <ul style="list-style-type: none"> • Exercise - Assessing Project Status Using EVM • Analyzing Project Status • Cost Performance Index • Schedule Performance Index • Earned Schedule • Why use ES? • More ES terminology • Variance Thresholds • Variance Analysis at the Control Account • When Thresholds are Breached • To Complete Performance Index • Determining Trends and Plotting Indices • Percent Complete, Percent Spent • Cost Performance Report 	<p>The Earned Value Management Maturity Model® (EVM³)®</p> <ul style="list-style-type: none"> • The Value of a Maturity Model • Characteristics of Common Staged Maturity Models • The Earned Value Management Maturity Model® • Attributes of Level 1 – INITIAL • Attributes of Level 2 -LOCALIZED • Attributes of Level 3 –ANSI 748 COMPLIANT(+) • Attributes of Level 4 - MEASURED • Attributes of Level 5 – OPTIMIZING • Obtaining the EVM³® Model and Independent Assessments

Course Outline Part 2:

The exam is based upon the ANSI 748 (latest version), Earned Value Management Systems guideline. To get the most benefit from this workshop attendees should have read, as a minimum:

- [ANSI 748 \(latest version\), Earned Value Management Systems](#)
- PMI's [Practice Standard for Earned Value Practice Management](#)
- National Defense Industrial Association (NDIA) EIA-748-A [Intent Guide](#)

<p>About the EVP Exam The Exam Parts About the Workshop Workshop Outline Expectations EVM History EVM Concepts And Definitions BCWS, BCWP, ACWP</p> <p>Exam Part I -General Organization, Planning, Scheduling and Budgeting <u>ANSI 748 Organization Guidelines</u> Project Organization via OBS and WBS Control Accounts Work Authorization and the Responsibility Assignment Matrix <u>ANSI 748 Planning, Scheduling, Budgeting Guidelines</u> Schedule Hierarchy and the WBS/OBS Critical Path Scheduling and Milestones Budget Baseline Contingency, Management Reserve, Undistributed Budget Over Target Baselines Risk Assessment and Mitigation Work Packages and Planning Packages Planning Direct, Indirect, and Material Costs Cost Elements Earned Value Methods/Techniques Contract Types Integrated Baseline Reviews Trial Exam Part 1 Review of Trial Exam</p>	<p>Exam Part III - Applying Earned Value Management Nature of Exam Part III Questions Trial Exam Part 3 Review of Trial Exam</p> <p>Exam Part IV - Earned Value Professional Communications Memorandum Nature of the Exam Part IV Question Approach to completing the Part IV written answer Trial Exam Part 4 Review of Trial Exam</p>
<p>Exam Part II - Accounting, Analysis, and Revisions <u>ANSI 748 Analysis and Management Guidelines</u></p> <ul style="list-style-type: none"> • Recording Direct, Indirect, and Material Costs • Cost of Money, Overhead, and Burden • EVM Variances and Indices (SV, CV, SPI, CPI) • Variance Thresholds • Critical Path Analysis • EVM Forecasts (TCPI, EAC, ETC) • Subcontract Management <p><u>ANSI 748 Revisions and Data Maintenance Guidelines</u></p> <ul style="list-style-type: none"> • Baseline Maintenance • Change Control • Contract Changes • Internally Replanning • Retroactive Changes • Document Control • Trial Exam Part 2 • Review of Trial Exam 	<p>Applying for the EVP</p> <ul style="list-style-type: none"> • Application Process • EVP Reference Material • Test Taking Strategies • Questions • Workshop Evaluation