



Project Services Pty Ltd

Easy EVM

1-Day Virtual Workshop

Outline

This intensive workshop is designed for business managers and planners moving to introduce Earned Value Management (EVM) into an organization. Using EVM techniques in a practical business-oriented manner adds significant additional information and power to the organization's project control process. This course outlines the techniques and processes needed to implement EVM in an effective and practical manner.

Target audience, staff and managers implementing, or using EVM as a core component of their organization's project controls function.

Delivery

Virtual: Three 2-hour presentations and facilitated discussion via MS Teams or Zoom. The sessions are designed to be delivered on different days (with homework).
Virtual delivery is available world-wide.

Face-to-Face: Four 1.5-hour sessions (6 Hrs.) conducted in-house (with lunch and a morning and afternoon tea break). Face-to-face delivery is available in Australia and New Zealand.

Session Contents

Session 1 (2 Hrs.) An overview of EVM & controls, plus the WBS:

- Introductions & house keeping
- EV - The key requirements
- Overview of earned value
- Introduction to AS 4817/ISO 21508:
 - Decompose the project scope (develop the WBS)
 - Assign responsibility
 - Schedule the work
 - Develop a time-phased budget
 - Assign objective measures of performance
 - Set the performance measurement baseline (PMB)
 - Authorize and perform the work
 - Accumulate and report performance data

- Analyze project performance data
- Management action
- Maintain the baseline
- Define the overall project Scope
 - Project breakdown structures
- The WBS (ISO 21511:2018 Work Breakdown Structures)
 - WBS rules and definitions
 - WBS numbering
 - Work packages, planning packages, Control accounts
- The WBS Dictionary
- Building a great WBS
- Integrating the WBS, cost and schedule
- Homework, Build a WBS

Session 2 (2 Hrs.) The schedule & earned value concepts:

- Getting the schedule right:
 - Planning the schedule
 - Creating a 'good schedule'
 - Dynamic schedules
 - Schedule levels, vertical and horizontal traceability
 - Schedule resources
- Project baselines
- Overview of EV processes
 - Data reliability
 - Establish a time phased baseline
 - Assess actual performance (Earned Value)
 - Record actual Costs
 - Earned Value Management
- Definition of key elements
 - At 'Time Now': PV, AC, EV
 - Total project costs BAC, EAC, & ETC
- Definition of key formula
 - CV, CPI, SV, SPI, EAC & ETC
 - Earned Schedule and SPI limitations
 - Other EV formulae
 - Variance -v- Index
- Measuring progress - Assigning objective measures of performance
 - Discrete effort: volume / count / measurement
 - Weighted milestones
 - Fixed formula
 - Percent complete
 - Apportioned effort
 - Level of effort

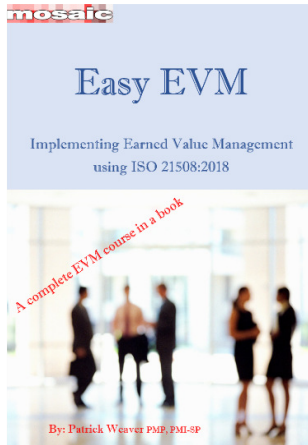


- Setting the performance management baseline
 - Developing the Performance Management Baseline (PMB)
 - Maintaining the PBM
- Authorizing and performing the work
- Variance analysis
 - Understanding and interpreting EV data
- Management is Proactive
- Homework - 20 questions

Session 3 (2 Hrs.) Governance and Controls:

- Analyzing performance data
- Seeing the trends
 - How information is displayed affects what you see
- TCPI
 - To Complete Performance Index
 - The mathematics of losing
- Managing the schedule
 - Statusing and updating
 - Data management
- The art of surveillance
- Reporting options
- Governance requirements
- Risk and uncertainty
 - Variability in estimates and performance
 - Risks and risk management
- EV Origins
- Useful EV Standards and Guides
 - GAO Cost Estimating and Assessment Guide & Schedule Assessment Guide
 - AS 4817, ISO 21508 and ISO 21511
 - Mosaic's resources
- Discussion and Questions
- Course wrap-up and close

Inclusions



All attendees will receive a free copy of:

Easy EVM - Implementing Earned Value Management using ISO 21508:2018.

Easy EVM is a self-paced course-in-a-book, supported by Mosaic Project Services Pty Ltd. The purpose of this 'course-in-a-book' is to provide practical guidance to people, and organizations, involved in either implementing an earned value management system, or using information created by an earned value management system. It provides guidance on concepts, responsibilities, integration, and processes, for the implementation and use of earned value management based on ISO 21508: *Earned Value Management in Project and Programme Management*. The book is divided into five sections, each section includes guidance on an aspect of EVM, references, and a set of 20 questions; with the answers in Section 6.

Open the Book2Look preview to see the full table of contents, sample pages, and sample questions & answers. The free preview is available at: <https://www.book2look.com/book/vwFQYiaJkd>

For more information see: <https://mosaicprojects.com.au/shop-easy-evm.php>.

Contacts

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For more on our EVM Training see: <https://mosaicprojects.com.au/Training-WS-EVM.php>
