



Project Services Pty Ltd

Easy EVM

1-Day 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 (1 ½ Hrs.) EV & Controls, overview:

- 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
- EV Management
- Analyzing performance data
- Uncertainty and risk
- Earned Schedule
- EV Origins
- Discussion and conclusions

Session 2 (1 ½ Hrs.) Getting the WBS & Schedule Right:

- 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
- The schedule
 - Planning the schedule
 - Creating a 'good schedule'
 - Dynamic schedules
 - Schedule levels, vertical and horizontal traceability
 - Schedule resources
- Integrating the WBS, cost and schedule
- Discussion and Questions

Session 3 (1 ½ Hrs.) EV concepts:

- Data reliability
- EVM Basics
- 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
 - Other EV formulae
 - Variance -v- Index
 - SPI limitations
- Measuring progress - Assigning objective measures of performance
 - Discrete effort: volume / count / measurement
 - Weighted milestones

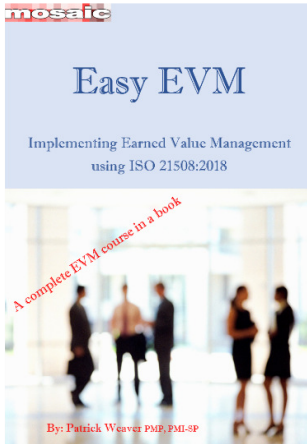


- Fixed formula
- Percent complete
- Apportioned effort
- Level of effort
- Setting the performance management baseline
 - Developing the Performance Management Baseline (PMB)
 - Maintaining the PBM
- Authorizing and performing the work
- Variance analysis
 - Understanding and interpreting EV data
- Management is Proactive

Session 4 (1 ½ Hrs.) Governance and Controls:

- Obtaining 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
- Governance
- Risk and uncertainty
 - Variability in estimates and performance
 - Risks and risk management
- 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

To discuss your Earned Value training requirements, contact:

Mosaic Project Services Pty Ltd.
Tel: +61 (0)3 9696 8684
Email: training@mosaicprojects.com.au
Web: <https://mosaicprojects.com.au/contact.php>

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