

EVMS Training Snippet Library: PARSII EVMS Reports Overview



**Office of Acquisition and Project Management (OAPM) MA-60
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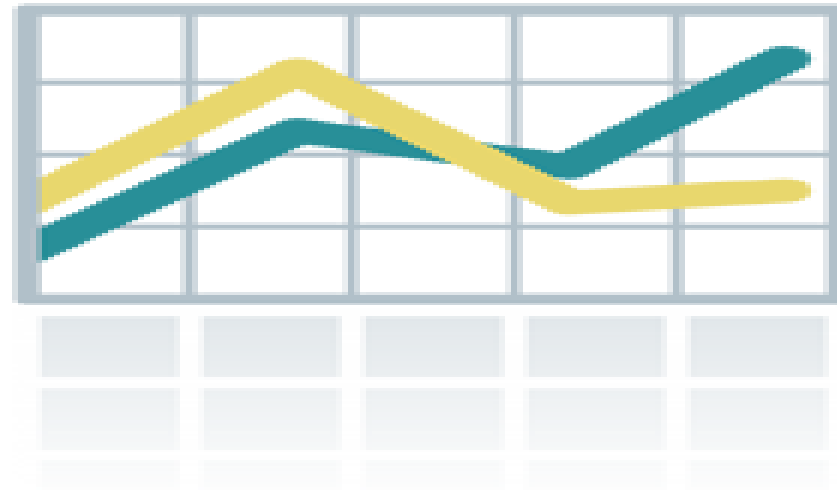
- **Purpose**

- Official “System of Record” for capital asset project performance information
- Same data as maintained in our contractors’ project management systems
- Used by federal and contractor personnel across the nation to record and track the progress of capital asset projects



- **Goal**

- Provide accurate, timely, complete, and verifiable project performance data
- Provide greater transparency on the performance of specific projects
- Facilitate the efforts of project analysts to analyze, track, and validate the data



The screenshot displays the PARS II KGA web application. On the left is a dark sidebar menu with options: OVERSIGHT & ASSESSMENT, PROJECT PERFORMANCE, ALL REPORTS, and SSS Reports (which is highlighted with a blue globe icon). The main area has a top navigation bar with 'SSS Reports' selected and a note 'All monetary values are in US Dollars'. Below this is a toolbar with '+ Add' and 'Paste' icons. A tree view under 'Shared Reports' lists several folders: Analysis Reports, Data Validity Check, Schedule Health Assessment, Variance Analysis, Trend Analysis, EAC Reasonableness, Predictive Analysis, and APM DepSec Monthly Reports.

- **Data Validity Check**
 - EV Data Validity (WBS Level)
 - Retroactive Change indicator (6-Mo, PMB Level)
- **Schedule Health Assessment**
 - Schedule Missing Logic (Activity Level)
 - Relationship Leads and Lags Report
 - Schedule Relationship Types (Activity Level)
 - Schedule Hard Constraints (Activity Level)
 - Schedule Total Float Analysis (Activity Level)
 - Schedule Duration Analysis (Activity Level)
 - Invalid Forecasts and Actual Dates (Activity Level)
 - Schedule Hit or Miss Report
- **Variance Analysis**
 - EV Project Summary (6-Mo, PMB Level)
 - Performance Analysis (WBS Level)
 - Variance Analysis Cumulative (WBS Level)
- **Trend Analysis**
 - Baseline Volatility – Past and Near-Term (PMB Level)
 - EV Project Summary (6-Mo, PMB Level)
 - MR Balance v. CV, VAC, & EAC Trends
 - Management Reserve (MR) Log
 - Performance Index trends (WBS Level)
 - Variance Analysis Cumulative (WBS Level)
- **EAC Reasonableness**
 - CPI vs. TCPI (PMB Level)
 - EV Data Validity (WBS Level)
 - Performance Index Trends (WBS Level)
- **Predictive Analysis**
 - Funding Status (Monthly at Project Level)
 - IEAC Analysis (WBS Level)



- **Each Snippet provides:**
 - Purpose of the subfolder grouping
 - List of reports included in the subfolder
 - Brief summary of each report
 - How to use the report for project management and/or EVMS compliance purposes

DOE OAPM EVM Home Page



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EARNED VALUE MANAGEMENT

| |
|-----------------------------------------------|
| Aviation Management |
| Executive |
| Correspondence |
| Energy Reduction at HQ |
| Facilities and Infrastructure |
| Freedom of Information Act |
| Financial Assistance |
| Information Systems |
| Procurement and Acquisition |
| Project Management |
| Earned Value |
| Lessons Learned |
| Reviews and Validations |
| Documents and Publications |
| RCA and CAP |

Earned Value Management (EVM) is a systematic approach to the integration and measurement of cost, schedule, and technical (scope) accomplishments on a project or task. It provides both the government and contractors the ability to examine detailed schedule information, critical program and technical milestones, and cost data.

- [EVMS Surveillance Standard Operating Procedure \(ESSOP\)](#) - 26 Sep 2011 (pdf)
 - [EV Guideline Assessment Templates](#) - (MS Word)
 - [DOE EVMS Cross Reference Checklist](#) - (pdf)
 - [DOE EVMS Risk Assessment Matrix](#) - (MS Word)
- [Formulas and Terminology "Gold Card"](#) - Sep 2011 (pdf)
- [Slides from the OECM Road Show: Earned Value \(EV\) Analysis and Project Assessment & Reporting System \(PARS II\)](#) - May 2012 (pdf)
- [DOE EVM Guidance](#)

EVM TUTORIALS

[Module 1 - Introduction to Earned Value](#) (pdf 446.86 kb) July 17, 2003

This module is the introduction to a series of online tutorials designed to enhance your understanding of Earned Value Management. This module's objective is to introduce you to Earned Value and outline the blueprint for the succeeding modules. This module defines Earned Value management. It looks at the differences between Traditional management and Earned Value management, examines how Earned Value management fits into a program and project environment, and defines the framework necessary for proper Earned Value management implementation.

<http://energy.gov/management/office-management/operational-management/project-management/earned-value-management>