

EVMS Training Snippet Library:

EVMS Stage 2 Surveillance



Office of Acquisition and Project Management (OAPM) MA-60
U. S. Department of Energy
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- **Recurring process of review**
 - Continued compliance with ANSI/EIA 748 and DOE policy
- **Assesses implementation**
 - The use of the EVM system is maintained over time and on subsequent applications (e.g., on new projects)
- **Assesses extent of system use for management purposes**
 - If the contractor is continuing to use their EVMS effectively to monitor and manage cost, schedule, and technical performance

DOE Surveillance Policy and Procedures



- **Department of Energy (DOE) Order 413.3B, *Program and Project Management for the Acquisition of Capital Assets*, 11/29/2010**
- **DOE Guide 413.3-10A, Earned Value Management System (EVMS)**
- **OAPM EVMS Surveillance Standard Operating Procedure (ESSOP)**



DOE EVMS SURVEILLANCE PROCESS

OAPM PROJECT ANALYSTS

OAPM EVMS SPECIALISTS

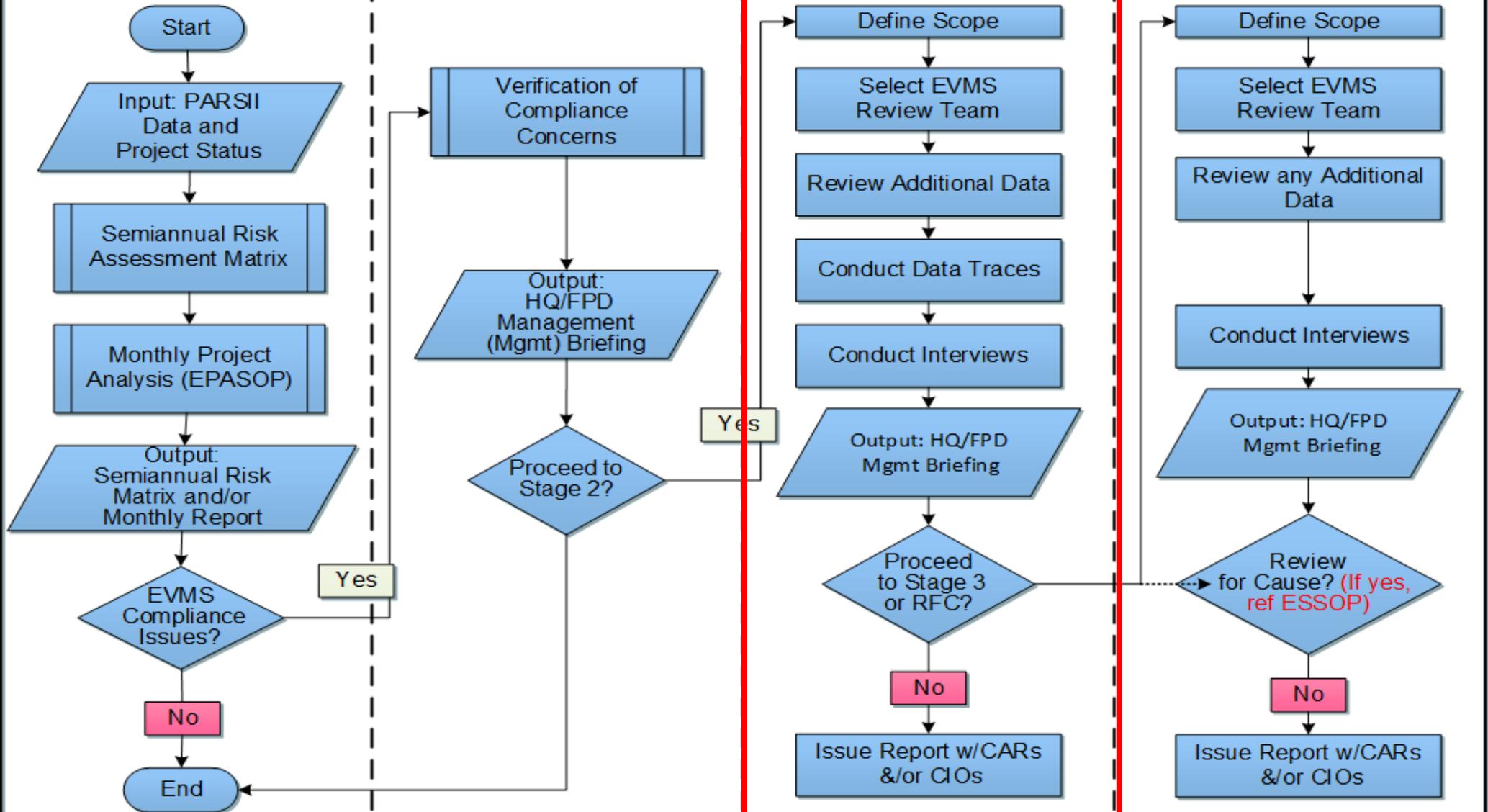
DESKTOP
OAPM / PMSO SURVEILLANCE

ON SITE
OAPM / PMSO SURVEILLANCE

STAGE 1 SURVEILLANCE

STAGE 2 SURVEILLANCE

STAGE 3 SURVEILLANCE



Stage 2 Step by Step



- **Scope Definition**
- **Team Selection**
- **Data Call**
- **Data traces and data analysis**
- **Conduct Interviews as needed**
- **Management Briefing**

Stage 2 Scope Meeting



- **Scope defined based on:**
 - Stage 1 risk matrix and data analysis results
 - PARS II data verification
 - Contractor's Earned Value System description/processes
- **Project selection:**
 - The entire contractor portfolio of projects requiring EVMS will be considered for EVMS surveillance
- **Results of scope meeting:**
 - Determination of projects and EVM system areas to be examined
 - Identification of the documentation and artifacts needed
 - Team composition
 - Timeline for the surveillance

Team Roles / Responsibilities



ROLE	RESPONSIBILITY
OAPM EVM Specialist	Surveillance lead; facilitate and lead the process; resolve issues; document results
OAPM/PMSO Project Analyst	Support process with technical project specific insight
Contract Support	EVMS team members; assist in assessment; prepare review documentation and reports
Program/FPD	Support process with resources, time, data, and personnel

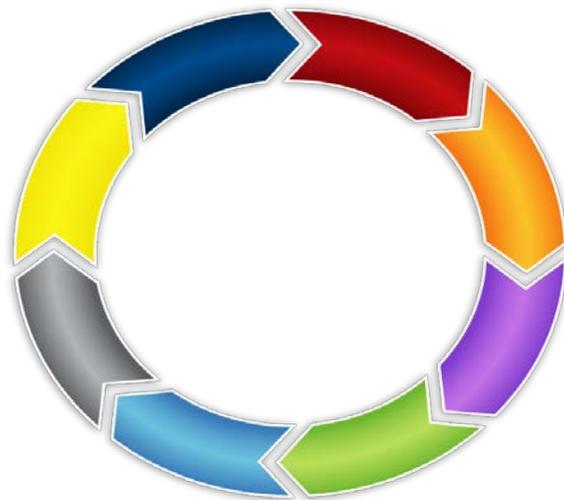


- **Documentation - static information (procedures)**
- **Artifacts - dynamic outputs (data)**
- **Typical data requested may include but is not limited to:**
 - Time phased data file in native or industry standard readable format (e.g., X12, XML format)
 - At least three months of EVMS monthly reports
 - EVM variance analysis and corrective action log
 - Project schedules in native (e.g., XER) or industry standard readable format (e.g., X12, XML format)
 - Risk management plans
 - System Description Document and other pertinent procedures
 - WBS/OBS and WBS dictionary
 - EAC supporting documentation
 - Contract budget logs, e.g. CBB, MR, UB, PMB
 - Responsibility Assignment Matrix (RAM) (Dollarized)
 - Work authorization documentation

Stage 2 Data Traces



- Assesses system integration
- Disconnects between the EVMS processes may indicate that the system is not functioning as intended
- This in-depth examination may include discussions with CAMs and other project staff





- **Interview areas may include:**

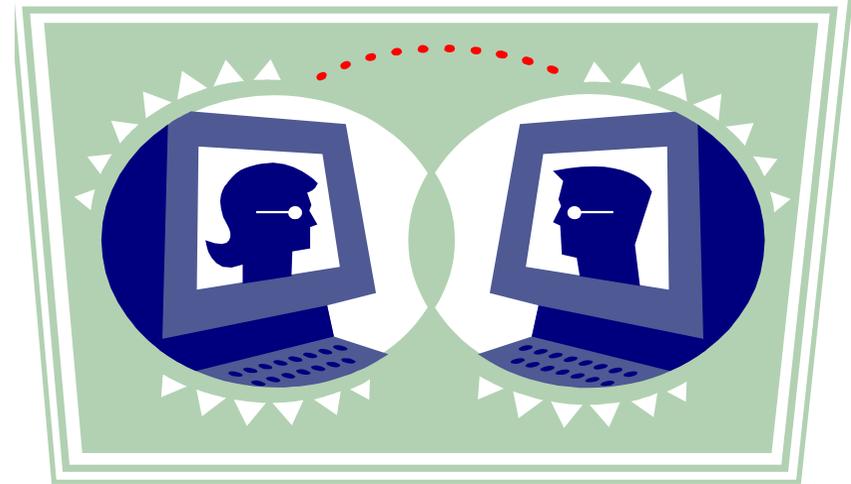
- Work authorization
- Organization
- EVM methodologies
- Cost and schedule integration
- Cost accumulation
- Scheduling and budgeting
- Material management
- Subcontract management and integration of data
- Risk assessment and mitigation
- Variance analysis
- Use of the information
- Change control and maintenance
- EAC process
- EVMS program training

What to Expect During Interviews



- **Interviewees may include:**
 - Contractor Management
 - Project Controls
 - Control Account Managers

- **Interviews may be conducted to:**
 - Clarify the data
 - Acquire understanding of use





- **Prepare HQ/FPD Management Briefing with Recommendation whether to proceed or complete surveillance**
 - Based on severity and risks, Management may approve more in-depth surveillance, i.e. Stage 3
 - If Stage 2 results from the data review do not justify an on-site review, then Stage 2 may continue with CAM interviews remotely to verify questions and ends with issuance of a report with any Corrective Action Requests, if any



Home » Operational Management » Project Management » Earned Value Management

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>

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