



2016 Department of Energy
Project Management Workshop
"Enhancing Project Management"

EVMSIH 2.0 Update

David R. Kester and Rick Millikin
Department of Energy and EFCOG Partnership

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EVMSIH 2.0 Update

Transforming How DOE Executes EVMS Compliance

- Provide Clarity
- Ensure for Consistency
- Reduce or Eliminate Costs



EVMSIH 2.0 Update

EVMSIH

- Authoritative body of knowledge for determinations of EIA-748 EVMS compliance
 - September 2015: V1.0 Initial Release
 - January 2016: V1.1 (Draft) First Revision
 - May 2016*: V2.0

* Subject to Change



EVMSIH 2.0 Update

EVMSIH

- Provide the necessary levels of interpretation to establish a consistent and clear definition of EIA-748 EVMS compliance
- Based on historical precedence and the present day needs of project management
- When fully implemented can successfully pass a DOE EVMS compliance review



EVMSIH 2.0 Update

EVMSIH 1.0 Concerns

- Too Burdensome, too costly to implement
- Looks for perfection, more than the minimal levels needed for EIA-748 compliance
- Specific concerns raised with DOE schedule checks and metrics



EVMSIH 2.0 Consolidation Illustrated

The guideline is further defined by QE LOI shown below.

6.A.1	Does the IMS reflect all authorized, time-phased discrete work to be accomplished as described in a PEP, SOW, PWS or other work statement to include subcontracted effort and High Dollar Value Material?
6.A.2	Does the IMS contain project milestones, project events, project decision points and external dependencies that logically linked within the network schedule/IMS to support critical path analysis?
6.A.3	
6.A.4	
6.A.5	
6.A.6	
6.A.7	
6.A.8	
6.A.9	
6.A.10	Is Schedule Margin (if any) identified, logically planned in the baseline and forecast IMS?
6.A.11	Are significant and probable risk mitigation steps included in the schedule, do they align with defined mitigation activities in the risk registry?
6.A.12	
6.A.13	Does the contractor maintain an IMS Data Dictionary to maintain codes that identify as applicable: Subcontractor activities, ETC Only, EVT (including LOE), Risk Mitigation Activities, CLINS, justification of constraints, leads, and lags and other unique text/code information that is unique?
6.A.14	

6.A.1	Does the IMS reflect all authorized, time-phased discrete work to be accomplished as described in a PEP, SOW, PWS or other work statement (i.e. Summary Level Planning Packages, WPs and planning packages) to include subcontracted effort and High Dollar Value Material?
6.A.2	Does the IMS contain project milestones, project events, key project decision points and external dependencies that are logically linked within the network schedule/IMS to support critical path analysis?
6.A.3	Does the IMS contain all project discrete activities, WPs, planning packages and summary level planning packages mapped to the correct WBS and OBS element levels?
6.A.4	Is the baseline schedule consistent with the project require dates; i.e. delivery dates or approved Over Target Schedule (OTS) as applicable?
6.A.5	Does the schedule contain external interfaces required-a predecessors or successors to project activities?
6.A.6	Does the IMS contain completion activities necessary to achieve the project / contractual deliverables?
6.A.7	If schedule margin is represented as a task in the IMS, does the description contain the words "SCHEDULE MARGIN"?
6.A.8	Is schedule margin only placed as the last task/activity/gate before a critical decision gate (CD 1, CD 2, CD 3, CD 4)?
6.A.9	Does the schedule margin (if any) have a risk basis identified?
6.A.10	Is Schedule Margin (if any) identified, logically planned in the baseline and forecast IMS? Is schedule margin (if any) represented in both the baseline and forecast schedules without resources and on the Critical Path?
6.A.11	Are significant and probable risk mitigation steps included in the schedule, do they align with defined mitigation activities in the risk registry?
6.A.12	Are Schedule Visibility Tasks (SVTs), if used, separately identified, controlled, and limited to representation of activities without resources that impact the logic driven network?
6.A.13	Does the contractor maintain an IMS Data Dictionary to maintain codes that identify as applicable: Subcontractor activities, ETC Only, EVT (including LOE), Risk Mitigation Activities, CLINS justification of constraints, leads, and lags and other unique text/code information that is unique?
6.A.14	Are subcontracts, if any, integrated at the appropriate level?



EVMSIH 2.0 Update

EVMSIH by the Numbers

- Total LOI: **274**
- Total LOI Deleted: **141**
- Reduction in LOI: **52%**
- ***LOI retained: 133***

- Total Tests: **556**
- Total Tests Deleted: **216**
- Reduction in Tests: **39%**
- ***Tests retained: 340***

- ***Test/LOI Ratio: 2.5***



EVMSIH 2.0 Tentative Timeline

- 21 March 2016: 'Rough First Draft' Completed (Advanced Coordination with EFCOG)
- 18 April 2016: Release 'Rough First Draft' for Formal Comments
- 29 April 2016: Comments Due to PM30 for Consideration (~2 Week Turn)
- 13 May 2016: PM Internal Review Completed (2 Week Turn)
- 20 May 2016: 'Draft Final' Completed (1 Week Needed for Internal Coordination)
- **27 May 2016: EVMSIH 2.0 Release (Projected)**
- 31 May 2016: PM30 Deadline



EVMSIH Pilot Project

Pilot Objectives

- The EVMS Pilot Project provides the opportunity to partner and collaborate
- Demonstrate the capabilities to iteratively develop and test EVMSIH compliance protocols
- Simultaneously facilitate the development of advanced testing methods and automated solutions



EVMSIH FAQ (Top 5)

- Why did DOE PM decide to create an EVMSIH?
- Will the EVMSIH truly be the one interpretation for DOE?
- When will the automated tools be available to the local sites and contractors? What percentage of the tests be automated?
- How does DOE intend to flow down the DOE EVMSIH to its current contractors?
- What are the expectations for how the EVMSIH QE LOI and associated tests can be applied during other project reviews such as an EIR or IPR prior to CD-2 to establish the baseline, or during a peer review following CD-2 during execution against the baseline?



Any Questions, Comments?

