

# U.S. Department of Energy Office of Project Management

# **EFCOG Update**

Matthew Z West / Daniel Goldsmith 20 September 2021



#### **Metrics**

#### Multiple phase update

- Phase 1 Re-align 193 metrics in V 3.0 to IP2M
   METRR (ASU) Z(V 4.0)
  - Review through GL 1 to 10 plus (still work in progress)
  - This means that maturity process groups A and B are ready for Mel to sign (more than 100 metrics)
  - Will provide process A and B to tool vendors in near future (EA, Deltek, Aztech, and others)
  - Daniel Goldsmith now is the secretariat for the configuration control board for metrics (Mel chairs)
  - Example on output



### Version 3.0 to Version 4.0

4 211 240 2 11 11			
1. EIA-748 Guideline	2. Metric ID 01.01.01 (1)	3. Method 4. Frequency automated/manual initially &	
01)	01.01.01 (1)	automated/manual initially & following implements customer changes	stion of
		customer changes	
5. Attribute	used for a clust replact subsided to	the CA level as a minimum?	
	used for a given project extended to	tile CA level as a minimum:	
and reporting purposes. The te	sting compares the products and deli- ill elements of the WBS should be def	sepicting the breakdown of work scope for work authorization rerables in the scope documents (e.g., contract, PEP, PMP fined in an accompanying WBS dictionary, Reference is ma-	, conceptual
7. Metric Short Description	on		
WBS dictionary unsubstantiate	d		1
8. Metric			
WBS dictionary. Reference 0 2. Product-oriented grouping scope as defined in the scop 3. The WBS dictionary does n	OCE WBS handbook for guidance, is of project scope elements in the e documents, not define the products and delivers	ract, PEP, PMP, conceptual design report,] are not lid WBS dictionary are not organized and subdivided to the ables to be developed or produced. complished to each other and the overall end product.	
Y = Number of WB3 Identifier	rs in the WB3 Index.		
9. Max. Threshold	10. Max. Tolerance	11. Weight	
0			
12. Needed Artifacts and	Data Elements		
Y artifact(s) FF01_{WBS}	X artifact(s) scope documents (e.g., contract, PEP, PMP, conceptual design report,)	FF data elements FF01_(WB0)_[C]_WB0 FF01_(WB0)_[D]_stite FF01_[WB0]_[E]_level FF01_[WB0]_[E]_Level	
		FF01_{WBS}_[J]_WBS_narrative	
13. Assumptions		FF01_{WB3}_[J]_WB3_narrative	
FF01_{WB3} identifies all WB3	lidentifiers in the WBS dictionary.	FF01_(WBS)_[J]_WBS_narrative	
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#### 1. Process Category 2. Metric ID (new, old) A.01.01 (1) (01.01.01) automated/manual Initially & following implementation of customer changes 5. Attribute Product-Oriented Work Breakdown Structure (WBS) This metric confirms that the WBS is product and deliverable oriented depicting the breakdown of contract work scope/federal directed scope documents for work authorization, tracking, and reporting purposes. The metric compares the products and deliverables in the scope documents to the WBS. All elements of the WBS are defined in an accompanying WBS dictionary, as required. Reference is made to the DOE WBS handbook for this assessment. 7. Metric Short Description WBS dictionary unsubstantiated 8. Metric 1. Products and deliverables listed in the contract work scope/federal directed scope documents are not identified in the WBS 2. Product-oriented groupings of project scope elements in the WBS dictionary are not organized and subdivided to the total work coope as defined in the contract work scope/federal directed scope documents. 3. The WBS dictionary does not define the products and deliverables to be developed or produced. 4. The WBS dictionary does not relate elements of work to be accomplished to each other and the overall end product. 9. Max. Threshold 10, Max, Tolerance 11. Weight 0 12. Needed Artifacts and Data Elements Y artifact(s) FF data elements FF01\_{WBS}\_[C]\_WBS directed scope documents FF01\_{WB8}\_[D]\_ttle FF01 (WBS) (E) level FF01\_{WBS}\_[G]\_WBS\_type FF01\_{WBS}\_[J]\_WBS\_narrative 13. Assumptions FF01\_{WB3} identifies all WB3 identifiers in the WB3 dictionary. Reference DOE WBS handbook for guidance. 14. Instructions Determine Y Items based on the following. Count FF01\_(WBS)\_[C]\_WBS Items and, if identified, with the following characteristics. FF01 {WBS} ID1 title < listing> FF01\_{WB3}\_[J]\_WB3\_narrative < listing> FF01\_{WB3}\_[E]\_level sting> FF01\_{WBS}\_[G]\_WBS\_type <iisting> -Determine X Items, a subset of Y, based on the following. Manually count flagged items based on the following operation(s). . 1. Products and deliverables listed in the contract work scope/federal directed scope documents are not identified in the WBS dictionary. 2. Product-oriented groupings of project scope elements in the WBS dictionary are not organized and subdivided to the total work scope as defined in the contract work scope/federal directed scope documents. 3. The WBS dictionary does not define the products and deliverables to be developed or produced. 4. The WBS dictionary does not relate elements of work to be accomplished to each other and the overall end product. Determine If X or X/Y exceeds the threshold. 15. NDIA Reference(s) Page 4, Management Value: "The WBS is a product-oriented division of project tasks depicting the breakdown of work scope for work authorization, tracking, and reporting purposes that facilitates traceability and provides a control framework for integrated program 16. Revision Block V04.00 Updated for release. Sections 1,6,12, 14

Metrio ID: A.01.01

page 1 of 274

DOE EVMS Metric Specification

2020-05-10 appendix A.5 - Metrio ID: 01.01.01 page 1 of 202

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#### Phase 1 to 2

- Phase 1 target to be rolled out this fall
- Phase 2 Starts after Phase 1
- PM-30 to look at a more in-depth at each Metric with a look towards
  - Opportunity for Primary / Secondary metrics
  - Look at what multiple flags indicated

(Daniel – comments?)



# **PARS Update**

- Moving PARS from SharePoint based tool Azure in November 2021
- Similar look and feel
- Faster tool
- Improved tools
- Benchmarking Module
- Announcements with enhancements to start in October
- DMS updates / Audit tools
- SSRS to Power BI improved reporting where outside Empower
- User guide by event (CD, BCP, etc) / Workflows Assists
- Add ASU developed software for IP2M METRR
- Self-surveillance add manual and notes to Empower in PARS
  - First sites working to do this now



## **PARS Training**

- Thanks to those who tested basic and advanced courses
  - 395 comments in basic course
  - 273 comments in advanced course
  - Accepted 90% of comments
  - Basic course Mid October on Learning Nucleus LMS for both Federal and Contractor users
  - Advanced course Mid November on Learning Nucleus
     LMS for both Federal and Contractor users (has pre-req)
- EPA SOP Update to follow roll out of updated PARS



# Data Integrity and Quality vs DQI

- 43 projects uploading more adding
- 1/3, 1/3, 1/3
- Errors between Cost and Schedule Tools to Flat Files
- Contractor vs project level review
- Moving to PARS to improve the validation tool currently in place
- Provide feedback to all users
- Support updates to review process agree that data is good in government reporting



#### **Questions/Discussion**