Compare Results

Old File:		New File:
21.01.05 v03.pdf	versus	**H.01.05 - 21.01.05 v04.pdf**
2 pages (105 KB)		**2 pages (130 KB)**
1/22/2022 4:39:05 PM		1/23/2022 1:45:50 AM

Total Changes

34

Content

13   Replacements

11   Insertions

9   Deletions

Styling and Annotations

1   Styling

0   Annotations

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DOE EVMS Metric Specification

1. Process Category	2. Metric ID (new, old)	3. Method	4. Frequency
H	**H.01.05** (21.01.05) (166)	automated	monthly

5. Attribute

Recording Actual Material Costs

6. Metric Intent

This metric confirms that material actual costs are recorded on the same basis in which budgets are planned and performance is claimed. This metric identifies the count of occurrences where ACWPi <> \$0 and BCWPc is equal to BAC and BCWPi <= \$0 for the CA or WP material EOC at the level of charging.

7. Metric Short Description

A without P (incremental) discrete material completed

a   A

8. Metric

X = \$ total of the complete discrete material WP WBS abs(ACWPi) in the EVMS cost tool, where ACWPi <> 0 and BCWPi <= 0.

Y = \$ total of the complete discrete material WP WBS abs(ACWPi) in the EVMS cost tool.
Conduct at the CA level if ACWP is at the CA WBS level.

9. Max. Threshold	10. Max. Tolerance	11. Weight
1000		1.5

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF03_{cost}	FF03_{cost}	FF03_{cost}_[B]_CPP_status_date
		FF03_{cost}_[D]_WBS
		FF03_{cost}_[E]_EOC
		FF03_{cost}_[G]_WBS_type
		FF03_{cost}_[J]_EV_method
		FF03_{cost}_[K]_DB
		FF03_{cost}_[L]_inc_BCWP_dollars
		FF03_{cost}_[L]_BCWPc
		FF03_{cost}_[M]_inc_ACWP_dollars

13. Assumptions

ACWPs are collected at the WP level. If ACWPs are collected at the CA level, test needs to be conducted at CA level.

14. Instructions

Determine Y items based on the following.
Sum FF03_{cost}_[D]_WBS items and, if identified, with the following characteristics.
- FF03_{cost}_[G]_WBS_type = WP
- FF03_{cost}_[J]_EV_method <> A or J or K or NA
- FF03_{cost}_[E]_EOC = material
- FF03_{cost}_[B]_CPP_status_date = FF03_{cost}_[C]_period_date
- Sum abs(FF03_{cost}_[M]_inc_ACWP_dollars)

Determine X items, a subset of Y, based on the following.
Identify FF03_{cost}_[D]_WBS and, if identified, with the following characteristics.
- FF03_{cost}_[M]_inc_ACWP_dollars <> 0
- FF03_{cost}_[L]_inc_BCWP_dollars <= 0
- FF03_{cost}_[L]_BCWPc = FF03_{cost}_[K]_DB
Sum flagged items based on the following operation(s).
- abs(FF03_{cost}_[M]_inc_ACWP_dollars)

Determine if X or X/Y exceeds the threshold.

Y	
qualifier	
WBS type	
EVT	
EOC	
other 1	
sum	
X	
qualifier	
other 1	
other 2	
other 3	
qualifier	
operation	

15. Reference(s)

Page 35, Management Value: "The establishment of a valid comparison of planned material costs for completed work with the actual material costs for that work provides the basis for realistic evaluation of cost deviations and ultimately facilitates cost at complete projections.

Page 35, Typical Attribute(s): "The material system needs to account for various methods of charging material cost from inventory in accordance with cost accounting standards inventory costing methods; i.e., First-In, First-Out (FIFO); moving average; weighted average; standard cost; and Last-In, First-Out (LIFO). Identify accountability for all material purchased for the program including material issues to control accounts, return of unused material, scrap quantity and disposition, and residual inventory."

16. Revision Block

rev. no.	description of change and sections affected	date prepared	prepared by	date approved	approved by
V04.00	Updated for release. See track changes.	2022-01-21	PM-30	2022-01-21	Melvin Frank
V03.00	Updated for release. See itemized revision list.	2020-02-10	PM-30	2020-02-10	Melvin Frank
V02.00	Updated for release. None.	2019-07-31	PM-30	2019-07-31	Melvin Frank
V01.01	Updated through 2019-03-13. Minor corrections.	2019-03-13	PM-30	2019-03-14	Melvin Frank
V01.00	Updated for release. All.	2019-01-31	PM-30	2019-01-31	Melvin Frank