Compare Results

Old File:		New File:
17.01.01 v03.pdf	versus	**D.04.01 - 17.01.01 v04.pdf**
1 page (104 KB)		**2 pages (131 KB)**
1/22/2022 4:37:38 PM		1/23/2022 1:19:09 AM

Total Changes

31

Content

9 Replacements

13 Insertions

8 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
D	**D.04.01** (17.01.01) (113)	automated	monthly

5. Attribute
Direct Cost Breakdown Summary

6. Metric Intent
This metric confirms that direct costs are summarized by CA level without allocation of a single CA to two or more higher-level WBS elements. This metric identifies the count of occurrences where the sum of the children ACWP for the current period and for each CA does not equal the parent ACWP value for the same period and for each CA. The metric identifies the count of occurences where the sum of the ACWP at the CA level for the current period does not equal the higher level WBS ACWP value for the same period.

7. Metric Short Description
EVMS cost tool ACWP <> IPMR F1 ACWP (incremental) ^a

8. Metric
X = Number of CA/WBSs in the EVMS cost tool, where
1. At the CA level, the EVMS cost tool $ total $ACWP_i$ <> IPMR F1 $ total $ACWP_i$, or
2. At the project level, the EVMS cost tool $ total $ACWP_i$ <> IPMR F1 $ total $ACWP_i$.

Y = Number of CA/WBSs in the EVMS cost tool.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0	1000	1.2

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF01_{WBS}	FF08_{IPMR_F1}	FF01_{WBS}_[C]_WBS
FF03_{cost}		FF03_{cost}_[B]_CPP_status_date FF03_{cost}_[C]_period_date
		FF03_{cost}_[D]_WBS
		FF03_{cost}_[G]_WBS_type
		FF03_{cost}_[M]_inc_ACWP_dollars
		FF08_{IPMR_F1}_[C]_WBS
		FF08_{IPMR_F1}_[F]_inc_ACWP

13. Assumptions

14. Instructions

Determine Y items based on the following.
Count FF01_{WBS}_[C]_WBS,FF03_{cost}_[D]_WBS per CA items and, if identified, with the following characteristics.
- FF03_{cost}_[G]_WBS_type = CA or WP

Determine X items, a subset of Y, based on the following.
Identify FF08_{IPMR_F1}_[C]_WBS,FF03_{cost}_[D]_WBS and, if identified, with the following characteristics.
- FF03_{cost}_[G]_WBS_type = CA
- FF03_{cost}_[B]_CPP_status_date = FF03_{cost}_[C]_period_date

Count flagged items based on the following operation(s).
- by CA
   FF03_{cost}_[M]_inc_ACWP_dollars sum <> FF08_{IPMR_F1}_[F]_inc_ACWP sum
   OR
   by project
   FF03_{cost}_[M]_inc_ACWP_dollars sum <> FF08_{IPMR_F1}_[F]_inc_ACWP sum

Determine if X or X/Y exceeds the threshold.

Y	
qualifier	
WBS type	
X	
qualifier	
other 1	
other 2	
qualifier	
operation	

15. Reference(s)

Page 30, Management Value: "The WBS roll-up structure contains no division/allocation of lower-level cost to multiple higher-level WBS elements, which helps to ensure performance measurement data integrity when summarized by WBS."

Page 30, Intent: "Through the use of this coding structure, allowable costs collected within the control account by element of expense roll-up from the control account level through the WBS to the top level without being divided among two or more higher-level WBS elements. Cost collection accounts map to the WBS, and the WBS roll-up structure contains no division/allocation of lower-level cost to multiple higher-level WBS elements."

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

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