Compare Results

Old File:		New File:
22.01.01 v03.pdf	versus	**F.01.01 - 22.01.01 v04.pdf**
2 pages (104 KB)		**2 pages (131 KB)**
1/22/2022 4:41:18 PM		1/23/2022 1:23:03 AM

Total Changes	Content		Styling and Annotations	
41	13	Replacements	0	Styling
	17	Insertions	0	Annotations
	11	Deletions		

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DOE EVMS Metric Specification

1. Process Category	2. Metric ID (new, old)	3. Method	4. Frequency
F	**F.01.01** (22.01.01) (122)	automated	monthly

5. Attribute
Calculating Variances

6. Metric Intent
This metric confirms that the formulas to calculate SV, CV, and VAC are consistent with the data produced by the accounting system and include budget, earned value, and actual costs that are reconcilable with the EMV and accounting systems.

7. Metric Short Description
VAR, EVMS cost tool <> IPMR F1 [a]

8. Metric
X = Number of CA WBSs in the EVMS cost tool, with incorrect variance calculations.

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

9. Max. Threshold	10. Max. Tolerance	11. Weight	
0	1000	1.7	

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF03_{cost}	FF03_{cost} FF08_{IPMR_F1}	FF03_{cost}_[B]_CPP_status_date FF03_{cost}_[C]_period_date FF03_{cost}_[D]_WBS FF03_{cost}_[G]_WBS_type FF03_{cost}_[K]_inc_BCWS_dollars FF03_{cost}_[K]_DB FF03_{cost}_[L]_inc_BCWP_dollars FF03_{cost}_[M]_inc_ACWP_dollars FF03_{cost}_[M]_ACWPc FF03_{cost}_[N]_ETCc FF08_{IPMR_F1}_[C]_WBS FF08_{IPMR_F1}_[D]_inc_BCWS FF08_{IPMR_F1}_[E]_inc_BCWP FF08_{IPMR_F1}_[F]_inc_ACWP FF08_{IPMR_F1}_[G]_cum_BCWS FF08_{IPMR_F1}_[H]_cum_BCWP FF08_{IPMR_F1}_[I]_cum_ACWP FF08_{IPMR_F1}_[J]_BAC FF08_{IPMR_F1}_[K]_EAC

13. Assumptions

14. Instructions

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

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

Count flagged items based on the following operation(s).
- FF03_{cost}_[L]_inc_BCWP_dollars - FF03_{cost}_[K]_inc_BCWS_dollars <> FF08_{IPMR_F1}_[E]_inc_BCWP - FF08_{IPMR_F1}_[D]_inc_BCWS
  OR
  FF03_{cost}_[L]_inc_BCWP_dollars - FF03_{cost}_[M]_inc_ACWP_dollars <> FF08_{IPMR_F1}_[E]_inc_BCWP - FF08_{IPMR_F1}_[F]_inc_ACWP
  OR
  FF03_{cost}_[L]_BCWPc - FF03_{cost}_[K]_BCWSc <> FF08_{IPMR_F1}_[H]_cum_BCWP - FF08_{IPMR_F1}_[G]_cum_BCWS
  OR
  FF03_{cost}_[L]_BCWPc - FF03_{cost}_[M]_ACWPc <> FF08_{IPMR_F1}_[H]_cum_BCWP - FF08_{IPMR_F1}_[I]_cum_ACWP
  OR
  FF03_{cost}_[K]_DB - FF03_{cost}_[M]_ACWPc - FF03_{cost}_[N]_ETCc <> FF08_{IPMR_F1}_[J]_BAC - FF08_{IPMR_F1}_[K]_EAC

Determine if X or X/Y exceeds the threshold.

Y

qualifier

WBS type

X

qualifier

other 1

qualifier

operation

15. Reference(s)
Page 37, Typical Attribute(s): "Monthly performance report:

• Budget, earned value, and actual costs (reconcilable with the accounting system).
• Cost Variance (CV).
• Schedule Variance (SV).
• Variance at Completion (VAC)."

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