

1/23/2022 9:33:29 AM

Compare Results

Old File:

27.03.02 v03.pdf

2 pages (106 KB)

1/22/2022 4:53:19 PM

versus

New File:

F.05.06 - 27.03.02 v04.pdf

1 page (129 KB)

1/23/2022 1:35:20 AM

Total Changes

33

Content

7 Replacements

10 Insertions

15 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
F	F.05.06 (27.03.02) (137)	automated	monthly

5. Attribute

Estimates at Completion (EAC)

6. Metric Intent

This metric confirms that estimates of costs at completion are accurate and detailed. This metric identifies the count of occurrences for selected incomplete CA, WP, and PP where difference between CPIc and TCPIc is < -0.10 or > 0.10 .

7. Metric Short Description

$\text{abs}(\text{CPIc} - \text{EAC TCPIc}) > 0.1$

8. Metric

X = Number of incomplete WP WBSs in the EVMS cost tool, where $\text{abs}(\text{CPIc} - \text{EAC TCPIc}) > 0.1$.

Y = Number of incomplete WP WBSs 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
5.0%		2.6

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF03_{cost}	FF03_{cost}	FF03_{cost}_{D}_WBS FF03_{cost}_{G}_WBS_type FF03_{cost}_{K}_DB FF03_{cost}_{L}_BCWPc FF03_{cost}_{M}_ACWPc FF03_{cost}_{N}_ETCc

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.

Count FF03_{cost}_{D}_WBS items and, if identified, with the following characteristics.

- FF03_{cost}_{G}_WBS_type = WP or CA where actuals are accounted
- FF03_{cost}_{L}_BCWPc $<$ FF03_{cost}_{K}_DB

Determine X items, a subset of Y, based on the following.

Identify FF03_{cost}_{D}_WBS and, if identified, with the following characteristics.

Count flagged items based on the following operation(s).

- $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}} / \text{FF03}_{\text{cost}}_{\text{M}}_{\text{ACWPc}} - (\text{FF03}_{\text{cost}}_{\text{K}}_{\text{DB}} - \text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}}) / \text{FF03}_{\text{cost}}_{\text{N}}_{\text{ETCc}}) > 0.1$

Determine if X or X/Y exceeds the threshold.

15. Reference(s)

Page 43, Intent: "For the monthly estimates to complete (ETC), the control account manager should review the status of the expended effort and the achievability of the forecast and significant changes briefed to program management. This analysis should focus on performance to date within the control account, an assessment of the effort to complete the remaining work, and an evaluation of the type and quantity of resources required to complete the effort. Issues, risks and opportunities should also be considered in this analysis. When updates are made to existing forecasts of the schedule and cost to complete, significant changes are briefed to program management. Prudent maintenance of the control account-level estimates at completion ensures that the EAC reflects a valid projection of project costs."

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