

1/23/2022 9:34:04 AM

Compare Results

Old File:

27.03.01 v03.pdf

2 pages (107 KB)

1/22/2022 4:53:03 PM

versus

New File:

F.05.05 - 27.03.01 v04.pdf

2 pages (131 KB)

1/23/2022 1:34:52 AM

Total Changes

43

Content

11 Replacements

14 Insertions

18 Deletions

Styling and Annotations

0 Styling

0 Annotations

[Go to First Change \(page 1\)](#)

DOE EVMS Metric Specification



1. Process Category	2. Metric ID (new, old)	3. Method	4. Frequency
F	F.05.05 (27.03.01) (136)	automated/manual verification	annually

5. Attribute

Estimates at Completion (EAC)

6. Metric Intent

This metric confirms that CA estimates of costs at completion are accurate, detailed, and an unembellished depiction of the cost of the project. This metric identifies the count of occurrences for selected incomplete WP, PP, and SLPP where the time-phased ETC in the cost system does not align to the time-phased resource plan (by craft).

7. Metric Short Description

ETC labor units, EVMS cost tool <> FC IMS

8. Metric

X = Number of incomplete PP and WP WBSs (only EOC labor) for the current period in the EVMS cost tool, where EVMS cost tool time-phased ETC units <> FC IMS units.

Y = Number of incomplete PP and WP WBSs (only EOC labor) for the current period in the EVMS cost tool.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0		2.6

12. Needed Artifacts and Data Elements

Y artifact(s)

FF03_{cost}

X artifact(s)

FF03_{cost}
 FF06_{schedule_resources}
 FF04_{schedule}

FF data elements

FF03_{cost}_{C}_period_date
 FF03_{cost}_{D}_WBS
 FF03_{cost}_{E}_EOC
 FF03_{cost}_{G}_WBS_type
 FF03_{cost}_{K}_DB
 FF03_{cost}_{L}_BCWPC
 FF04_{schedule}_{C}_schedule_type
 FF04_{schedule}_{D}_task_ID
 FF04_{schedule}_{G}_WBS
 FF06_{schedule_resources}_{C}_schedule_type
 FF06_{schedule_resources}_{E}_task_ID
 FF06_{schedule_resources}_{H}_EOC

13. Assumptions

14. Instructions

Determine Y items based on the following.

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

- FF03_{cost}_{G}_WBS_type = WP or PP
- FF03_{cost}_{L}_BCWPC < FF03_{cost}_{K}_DB
- FF03_{cost}_{E}_EOC = labor

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

Identify FF03_{cost}_{C}_period_date per FF04_{schedule}_{G}_WBS,(FF04_{schedule}_{D}_task_ID,FF06_{schedule_resources}_{E}_task_ID) and, if identified, with the following characteristics.

- FF04_{schedule}_{C}_schedule_type = FC,
 FF06_{schedule_resources}_{C}_schedule_type = FC
- FF06_{schedule_resources}_{H}_EOC = labor

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

- FF03_{cost}_{C}_period_date for X <> FF03_{cost}_{C}_period_date for Y

Conduct the following manual operation(s).

- Resource availability is questionable.

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. Sections 12 and 13.	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