

1/23/2022 11:19:56 AM

Compare Results

Old File:

23.01.01 v03.pdf

2 pages (109 KB)

1/22/2022 4:42:22 PM

versus

New File:

F.02.01 - 23.01.01 v04.pdf

2 pages (134 KB)

1/23/2022 1:23:34 AM

Total Changes

43

Content

16 Replacements

15 Insertions

12 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.02.01 (23.01.01) (124)	automated	monthly

5. Attribute

Variances to Control Accounts (CA)

6. Metric Intent

This metric confirms that CA cost, schedule, and technical variances are documented in accordance with internal thresholds and are addressed. This metric identifies the count of incomplete CAs with cost elements that breach reporting threshold levels in accordance with the system description and/or contract requirements that do not contain the requisite narrative.

7. Metric Short Description

VAR without narrative

8. Metric

X = Number of incomplete CA WBSs in the EVMS cost tool that tripped thresholds per CPP upload, that do not have VAR narrative.

Y = Number of incomplete CA WBSs in the EVMS cost tool that tripped thresholds per CPP upload.

Thresholds consider schedule and cost, incremental and cumulative, at completion, and dollar and percentage.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0		1.9

12. Needed Artifacts and Data Elements

Y artifact(s)

FF03_{cost}
FF07_{IPMR_header}

X artifact(s)

FF14_{CAM_VAR}
FF15_{VAR_CA_LOG}

FF data elements

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}_BCWSc
FF03_{cost}_{K}_DB
FF03_{cost}_{L}_inc_BCWP_dollars
FF03_{cost}_{L}_BCWPc
FF03_{cost}_{M}_inc_ACWP_dollars
FF03_{cost}_{M}_ACWPc
FF07_{IPMR_header}_{AK}_threshold_cum_dollar
FF07_{IPMR_header}_{AL}_threshold_cum_pct
FF07_{IPMR_header}_{AM}_threshold_inc_dollar
FF07_{IPMR_header}_{AN}_threshold_inc_pct
FF14_{CAM_VAR}_{C}_WBS
FF14_{CAM_VAR}_{D}_RC_CV
FF14_{CAM_VAR}_{E}_RC_SV
FF14_{CAM_VAR}_{F}_impact_cost
FF14_{CAM_VAR}_{G}_impact_schedule
FF14_{CAM_VAR}_{H}_CR_cost
FF14_{CAM_VAR}_{I}_CR_schedule
FF14_{CAM_VAR}_{J}_VAC_narrative
FF15_{VAR_CA_LOG}_{E}_WBS
FF15_{VAR_CA_LOG}_{G}_CR_narrative

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
- FF03_{cost}_{L}_BCWPc < FF03_{cost}_{K}_DB
- abs(FF03_{cost}_{L}_inc_BCWP_dollars - FF03_{cost}_{K}_inc_BCWS_dollars) > FF07_{IPMR_header}_{AM}_threshold_inc_dollar
OR
abs(FF03_{cost}_{L}_BCWPc - FF03_{cost}_{K}_BCWSc) > FF07_{IPMR_header}_{AK}_threshold_cum_dollar
OR
abs(FF03_{cost}_{L}_inc_BCWP_dollars / FF03_{cost}_{K}_inc_BCWS_dollars) > FF07_{IPMR_header}_{AN}_threshold_inc_pct
OR
abs(FF03_{cost}_{L}_BCWPc / FF03_{cost}_{K}_BCWSc) > FF07_{IPMR_header}_{AL}_threshold_cum_pct
- OR
abs(FF03_{cost}_{L}_inc_BCWP_dollars - FF03_{cost}_{M}_inc_ACWP_dollars) > FF07_{IPMR_header}_{AM}_threshold_inc_dollar
OR
abs(FF03_{cost}_{L}_BCWPc - FF03_{cost}_{M}_ACWPc) > FF07_{IPMR_header}_{AK}_threshold_cum_dollar
OR

abs(FF03_{cost}_{L}_inc_BCWP_dollars / FF03_{cost}_{M}_inc_ACWP_dollars) >
 FF07_{IPMR_header}_{AN}_threshold_inc_pct
 OR
 abs(FF03_{cost}_{L}_BCWPC / FF03_{cost}_{M}_ACWPC) > FF07_{IPMR_header}_{AL}_threshold_cum_pct

- FF03_{cost}_{B}_CPP_status_date = FF03_{cost}_{C}_period_date for incremental operation

Determine X items, a subset of Y, based on the following.
 Identify FF14_{CAM_VAR}_{C}_WBS, FF15_{VAR_CA_LOG}_{E}_WBS and, if identified, with the following characteristics.
 Count flagged items based on the following operation(s).

IF CV > threshold THEN
 (FF14_{CAM_VAR}_{D}_RC_CV = null
 OR
 FF14_{CAM_VAR}_{F}_impact_cost = null
 OR
 FF14_{CAM_VAR}_{H}_CR_cost = null)
 OR
 IF SV > threshold THEN
 (FF14_{CAM_VAR}_{E}_RC_SV = null
 OR
 FF14_{CAM_VAR}_{G}_impact_schedule = null
 OR
 FF14_{CAM_VAR}_{I}_CR_schedule = null)
 OR
 IF VAC > threshold THEN
 FF14_{CAM_VAR}_{J}_VAC_narrative = null
 OR
 FF15_{VAR_CA_LOG}_{G}_CR_narrative = null

Determine if X or X/Y exceeds the threshold.

16 Reference(s)

Page 38, Management Value: "The ability to analyze deviations from the established plan permits management at all levels to rapidly and effectively implement corrective actions in an effort to regain project/contract objectives."

Page 38, Intent: "The purpose of this guideline is to ensure both significant schedule and cost variances are analyzed, at least monthly, at a level of detail required to manage the effort; i.e., to enable management decision-making and corrective action."

Page 38, Intent: "Only variances that have a significant impact on the execution of the project should be analyzed in detail. Project procedures defining thresholds are normally used to define the significant level applicable to that situation."

Page 38, Typical Attribute(s): "Variance causes and impacts are identified in sufficient detail needed for project management."

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