

1/23/2022 11:19:33 AM

# Compare Results

Old File:

**23.01.02 v03.pdf**

**2 pages (109 KB)**

1/22/2022 4:42:35 PM

versus

New File:

**F.02.02 - 23.01.02 v04.pdf**

**2 pages (133 KB)**

1/23/2022 1:24:57 AM

## Total Changes

**45**

## Content

**17** Replacements

**15** Insertions

**12** Deletions

## Styling and Annotations

**1** 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.02.02 (23.01.02) (125)	automated/manual	monthly

## 5. Attribute

Variations 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 that do not address minimum VAR content.

## 7. Metric Short Description

VAR inadequate

## 8. Metric

X = Number of incomplete CA WBSs in the EVMS cost tool that tripped thresholds, that do not address the minimum content as applicable factoring the VAR quality checklist SOP.

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

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

9. Max. Threshold	10. Max. Tolerance	11. Weight
10.0%		1.9

## 12. Needed Artifacts and Data Elements

### Y artifact(s)

FF03\_{cost}  
 FF07\_{IPMR\_header}  
 FF14\_{CAM\_VAR}  
 FF15\_{VAR\_CA\_LOG}

### X artifact(s)

FF14\_{CAM\_VAR}  
 FF15\_{VAR\_CA\_LOG}

### FF data elements

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}\_{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
- $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{inc\_BCWP\_dollars}} - \text{FF03}_{\text{cost}}_{\text{K}}_{\text{inc\_BCWS\_dollars}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AM}}_{\text{threshold\_inc\_dollar}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}} - \text{FF03}_{\text{cost}}_{\text{K}}_{\text{BCWSc}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AK}}_{\text{threshold\_cum\_dollar}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{inc\_BCWP\_dollars}} / \text{FF03}_{\text{cost}}_{\text{K}}_{\text{inc\_BCWS\_dollars}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AN}}_{\text{threshold\_inc\_pct}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}} / \text{FF03}_{\text{cost}}_{\text{K}}_{\text{BCWSc}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AL}}_{\text{threshold\_cum\_pct}}$   
 OR  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{inc\_BCWP\_dollars}} - \text{FF03}_{\text{cost}}_{\text{M}}_{\text{inc\_ACWP\_dollars}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AM}}_{\text{threshold\_inc\_dollar}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}} - \text{FF03}_{\text{cost}}_{\text{M}}_{\text{ACWPc}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AK}}_{\text{threshold\_cum\_dollar}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{inc\_BCWP\_dollars}} / \text{FF03}_{\text{cost}}_{\text{M}}_{\text{inc\_ACWP\_dollars}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AN}}_{\text{threshold\_inc\_pct}}$   
 AND  
 $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{BCWPc}} / \text{FF03}_{\text{cost}}_{\text{M}}_{\text{ACWPc}}) > \text{FF07}_{\text{IPMR\_header}}_{\text{AL}}_{\text{threshold\_cum\_pct}}$

Y  
 qualifier  
 WBS type  
 incomplete  
 other:1

- FF03\_{cost}\_{B}\_CPP\_status\_date = FF03\_{cost}\_{C}\_period\_date for incremental operation other 2
- FF14\_{CAM\_VAR}\_{D}\_RC\_CV <listing> other 3
- FF14\_{CAM\_VAR}\_{E}\_RC\_SV <listing> other 4
- FF14\_{CAM\_VAR}\_{J}\_VAC\_narrative <listing> other 5
- FF15\_{VAR\_CA\_LOG}\_{G}\_CR\_narrative <listing> other 6

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

Identify FF14\_{CAM\_VAR}\_{C}\_WBS, FF15\_{VAR\_CA\_LOG}\_{E}\_WBS and, if identified, with the following characteristics. qualifier

Manually count flagged items based on the following operation(s). qualifier

- VARs considering the VAR quality checklist are questionable. operation

Determine if X or X/Y exceeds the threshold.

## 1 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