

1/23/2022 3:30:54 AM

# Compare Results

Old File:

**21.02.03 v03.pdf**

**1 page (104 KB)**

1/22/2022 4:40:38 PM

versus

New File:

**H.02.03 - 21.02.03 v04.pdf**

**1 page (129 KB)**

1/23/2022 1:46:42 AM

## Total Changes

30

## Content

12 Replacements

10 Insertions

8 Deletions

## Styling and Annotations

0 Styling

0 Annotations

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# DOE EVMS Metric Specification



1. Process Category	2. Metric ID (new, old)	3. Method	4. Frequency
H	H.02.03 (21.02.03) (169)	automated/manual	monthly

## 5. Attribute

Material Performance

## 6. Metric Intent

This metric confirms that HDV-CI material performance, BCWP, is recorded either upon receipt of material but no earlier, issue from inventory, or the consumption of the material. This metric identifies the count of occurrences where HDV-CI material activities in the FC IMS having a budget > 10% of the total project material budget are not identified as a material EOC in the cost system.

## 7. Metric Short Description

material EVT unsubstantiated

## 8. Metric

X = Number of incomplete material WP WBSs in the EVMS cost tool, where  $\text{abs}(\text{SV}\%) > 10\%$  and EVT is not consistent with the manner in which the material was planned.

Y = Number of incomplete material WP WBSs in the EVMS cost tool.

9. Max. Threshold	10. Max. Tolerance	11. Weight
5.0%		1.5

## 12. Needed Artifacts and Data Elements

### Y artifact(s)

FF03\_{cost}

### X artifact(s)

FF03\_{cost}

### FF data elements

FF03\_{cost}\_{B}\_CPP\_status\_date  
 FF03\_{cost}\_{C}\_period\_date  
 FF03\_{cost}\_{D}\_WBS  
 FF03\_{cost}\_{E}\_EOC  
 FF03\_{cost}\_{G}\_WBS\_type  
 FF03\_{cost}\_{J}\_EV\_method  
 FF03\_{cost}\_{K}\_inc\_BCWS\_dollars  
 FF03\_{cost}\_{L}\_inc\_BCWP\_dollars

## 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 = WP
- FF03\_{cost}\_{L}\_inc\_BCWPc < FF03\_{cost}\_{K}\_DB
- FF03\_{cost}\_{E}\_EOC = material

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

Identify FF03\_{cost}\_{D}\_WBS and, if identified, with the following characteristics.

- IF FF03\_{cost}\_{L}\_inc\_BCWP\_dollars < 0 THEN  $\text{abs}(\text{FF03}_{\text{cost}}_{\text{L}}_{\text{inc\_BCWP\_dollars}} / \text{FF03}_{\text{cost}}_{\text{K}}_{\text{inc\_BCWS\_dollars}} - 1) > 0.1$  where FF03\_{cost}\_{B}\_CPP\_status\_date = FF03\_{cost}\_{C}\_period\_date
- FF03\_{cost}\_{J}\_EV\_method <listing>

Manually count flagged items based on the following operation

- FF03\_{cost}\_{J}\_EV\_method is not consistent with the manner in which the material is planned

Determine if X or X/Y exceeds the threshold.

## 15. Reference(s)

Page 35, Intent: "Material costs must be accurately charged to contract control accounts using recognized, acceptable costing techniques. The need for accurate comparison of material costs to material budgets and earned value requires that the appropriate point of performance measurement for material is established. The generally acceptable points for measuring material progress are:

- Point of receipt (acceptance),
- Point of stock (inventory), and
- Point of issue to work in process (consumption)"

## 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