

1/23/2022 12:03:25 PM

# Compare Results

Old File:

**09.01.01 v03.pdf**

**2 pages (108 KB)**

1/22/2022 4:30:50 PM

versus

New File:

**C.03.01 - 09.01.01 v04.pdf**

**2 pages (134 KB)**

1/23/2022 1:05:56 AM

## Total Changes

30

## Content

13 Replacements

10 Insertions

7 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
C	C.03.01 (09.01.01) (81)	automated/manual verification	quarterly

## 5. Attribute

Work Authorization Documents (WAD)

## 6. Metric Intent

This metric confirms that WADs identify scope of work, budget by EOC, and POP. This metric ensures that each WAD (at the CA at a minimum) has scope articulated in the WBS dictionary, a dollarized budget value by EOC listed with the cost system, and a specified POP consistent with the BL IMS.

## 7. Metric Short Description

WAD without scope, schedule, or budget by EOC

## 8. Metric

X = Number of incomplete (based on the BL IMS) CA WADs, where

1. Scope is not defined in the WAD or not consistent with the WBS dictionary,
2. POP (start or finish dates) is not defined in the WAD or consistent with the BL IMS, or
3. Budget (DB) by EOC is not defined in the WAD or consistent with the EVMS cost tool.

Y = Number of incomplete (based on the BL IMS) CA WADs.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0	1000	1.7

## 12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF13_{WAD}	FF03_{cost}	FF01_{WBS}_{C}_WBS
FF04_{schedule}	FF04_{schedule}	FF01_{WBS}_{J}_WBS_narrative
FF06_{schedule_resources}	WADs	FF03_{cost}_{D}_WBS
	FF22_{WBS_dictionary}	FF03_{cost}_{K}_DB
	FF01_{WBS}	FF04_{schedule}_{B}_CPP_status_date
		FF04_{schedule}_{C}_schedule_type
		FF04_{schedule}_{D}_task_ID
		FF04_{schedule}_{E}_task_type
		FF04_{schedule}_{G}_WBS
		FF04_{schedule}_{L}_ES_date
		FF04_{schedule}_{M}_EF_date
		FF04_{schedule}_{T}_AS_date
		FF04_{schedule}_{U}_AF_date
		FF06_{schedule_resources}_{H}_EOC
		FF13_{WAD}_{C}_WBS
		FF13_{WAD}_{H}_budget_dollars
		FF13_{WAD}_{J}_POP_start_date
		FF13_{WAD}_{K}_POP_finish_date
		FF13_{WAD}_{L}_scope

## 13. Assumptions

Must be at the CA level.

Start and finish dates compared against WAD.

## 14. Instructions

Determine Y items based on the following.

Count FF13\_{WAD}\_{C}\_WBS items and, if identified, with the following characteristics.

- FF04\_{schedule}\_{C}\_schedule\_type = BL
- FF04\_{schedule}\_{E}\_task\_type <> SVT or ZBA or SM or S

IF FF04\_{schedule}\_{D}\_task\_ID IS IN FF04\_{schedule}\_{C}\_schedule\_type = FC  
 FROM FF04\_{schedule}\_{C}\_schedule\_type = FC  
 IF FF04\_{schedule}\_{E}\_task\_type = M THEN FF04\_{schedule}\_{U}\_AF\_date = null AND FF04\_{schedule}\_{T}\_AS\_date = null  
 OR  
 IF FF04\_{schedule}\_{E}\_task\_type <> M THEN FF04\_{schedule}\_{U}\_AF\_date = null  
 IF FF04\_{schedule}\_{D}\_task\_ID IS NOT IN FF04\_{schedule}\_{C}\_schedule\_type = FC  
 FROM FF04\_{schedule}\_{C}\_schedule\_type = BL  
 IF FF04\_{schedule}\_{E}\_task\_type = M THEN FF04\_{schedule}\_{B}\_CPP\_status\_date < FF04\_{schedule}\_{M}\_EF\_date OR  
 FF04\_{schedule}\_{B}\_CPP\_status\_date < FF04\_{schedule}\_{L}\_ES\_date  
 OR  
 IF FF04\_{schedule}\_{E}\_task\_type <> M THEN FF04\_{schedule}\_{B}\_CPP\_status\_date < FF04\_{schedule}\_{M}\_EF\_date

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

Identify FF13\_{WAD}\_{C}\_WBS, FF03\_{cost}\_{D}\_WBS, FF04\_{schedule}\_{G}\_WBS, FF01\_{WBS}\_{C}\_WBS and, if identified, with the following characteristics.

- FF04\_{schedule}\_{C}\_schedule\_type = BL

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

qualifier

- FF13\_{WAD}\_{L}\_scope <> FF01\_{WBS}\_{J}\_WBS\_narrative  
OR  
FF13\_{WAD}\_{J}\_POP\_start\_date >= FF04\_{schedule}\_{L}\_ES\_date  
OR  
FF13\_{WAD}\_{K}\_POP\_finish\_date <= FF04\_{schedule}\_{M}\_EF\_date  
OR  
FF13\_{WAD}\_{H}\_budget\_dollars = 0/null  
OR  
FF13\_{WAD}\_{H}\_budget\_dollar <> FF03\_{cost}\_{K}\_DB

operation

Conduct the following manual operation(s).

manual

- 1. Scope is not defined in the WAD or not consistent with the WBS dictionary,  
2. POP (start or finish dates) is not defined in the WAD or consistent with the BL IMS, or  
3. Budget (DB) by EOC is not defined in the WAD or consistent with the EVMS cost tool.

operation

Determine if X or X/Y exceeds the threshold.

## 15 Reference(s)

Page 18, Intent: "Through a work authorization process, establish budgets for all authorized work to be done by the responsible organizational elements. No work should begin before the effort is authorized by an initial work authorization. As budgets and schedules are established and approved for all the authorized work at the control account level, the work authorization is updated as required. The work authorization at the control account level is where the approved work scope, period of performance, and budget are integrated. The control accounts identify the appropriate cost elements (labor, subcontract, material, and other direct costs). It is important to include all resources required to accomplish the work scope."

## 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. Section 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