

1/23/2022 3:27:53 AM

Compare Results

Old File:

01.04.02 v03.pdf

2 pages (109 KB)

1/22/2022 3:22:59 PM

versus

New File:

I.02.03 - 01.04.02 v04.pdf

2 pages (133 KB)

1/23/2022 1:47:41 AM

Total Changes

27

Content

14 Replacements

9 Insertions

4 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
I	I.02.03 (01.04.02) (173)	automated/manual	initially & semi-annually to align with horizon planning increments

5. Attribute

Subcontractor Integration and Analysis

6. Metric Intent

This metric confirms that the WBS is arranged in a hierarchy and constructed to allow for clear and logical groupings, including identification of subcontractors. This metric determines if work scope elements listing in the WBS dictionary that are being performed by subcontractors are separately identified using the WBS dictionary and/or technical explanations provided by CAMs during discussions.

7. Metric Short Description

HDV-CI not identified

8. Metric

X = Number of WBS dictionary project scope elements performed by a subcontractor in the BL IMS not identified in the WBS dictionary or by the CAM.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0		2.2

12. Needed Artifacts and Data Elements

Y artifact(s)

FF04_{schedule}
FF01_{WBS}
FF03_{cost}
FF16_{subKor_perf}
WBS dictionary

X artifact(s)

subcontractor list
WBS dictionary

FF data elements

FF01_{WBS}_{C}_WBS
FF01_{WBS}_{D}_title
FF01_{WBS}_{H}_OBS
FF01_{WBS}_{J}_WBS_narrative
FF03_{cost}_{D}_WBS
FF03_{cost}_{E}_EOC
FF04_{schedule}_{C}_schedule_type
FF04_{schedule}_{D}_task_ID
FF04_{schedule}_{G}_WBS
FF04_{schedule}_{AC}_is_HDV
FF16_{subKor_perf}_{C}_subcontractor_ID
FF16_{subKor_perf}_{E}_task_ID

13. Assumptions

14. Instructions

Determine Y items based on the following.

Count

FF04_{schedule}_{G}_WBS, FF01_{WBS}_{C}_WBS, FF03_{cost}_{D}_WBS, (FF04_{schedule}_{D}_task_ID, FF16_{subKor_perf}_{E}_task_ID) items and, if identified, with the following characteristics.

- FF04_{schedule}_{C}_schedule_type = BL
- FF04_{schedule}_{AC}_is_HDV = yes
- FF01_{WBS}_{D}_title <listing>
- FF01_{WBS}_{J}_WBS_narrative <listing>
- FF03_{cost}_{E}_EOC <listing>
- FF16_{subKor_perf}_{C}_subcontractor_ID <listing>
- FF01_{WBS}_{H}_OBS <listing>

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

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

- WBS dictionary project scope elements performed by a HDV-CI subcontractor, exclusive of the prime contractor, not separately identified.

Determine if X or X/Y exceeds the threshold.

15. Reference(s)

Page 4, Intent: "A WBS is a direct representation of the work scope in the project, documenting the hierarchy and description of the tasks to be performed and their relationship to the product deliverables.

Earned Value Management System Guideline Scalability Guide, Process 8: Managing Subcontracted Work Effort, Page 46: "Often, a significant portion of a project is performed by subcontractors. Subcontract arrangements are generally with other companies but may also include other organizational entities within the prime contractor's company. For this process, the term "subcontractor" also refers to inter-divisional work; i.e., effort performed by another profit center within the prime contractor's company. While purchased material items are off-the-shelf hardware, subcontracts generally involve one or more of the following elements:

- Design and development
- Manufacturing effort

- Requirement to meet a performance specification
- A defined SOW
- Substantial technical, schedule, or cost risk

A subcontract procurement requires more comprehensive management techniques for schedule and technical control than do bill of material (BOM) items. Because of this, the application of EVM to a subcontracted effort can require unique process implementations. From an EVM perspective, a distinction must be made between subcontractors considered to be "major" - those delivering critical, high-risk, or high-dollar items to the project, or "minor" - those that do not meet the definition of a major subcontractor. Major subcontractors are normally expected to provide reports to the project that contain all elements of EV information in support of customer reporting requirements. This includes BCWS, BCWP, ACWP, associated schedule and cost variances, budget at completion, EAC, variances at completion, and analysis of all variances designated as significant. For minor subcontractors, the project is expected to generate this information based on information gathered by the assigned subcontract manager or CAM."

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