Compare Results

Old File:		New File:
03.01.03 v03.pdf	versus	**A.04.03 - 03.01.03 v04.pdf**
2 pages (107 KB)		**2 pages (133 KB)**
1/22/2022 3:24:17 PM		1/23/2022 12:34:47 AM

Total Changes

50

Content

21 Replacements

19 Insertions

10 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
A	**A.04.03** (03.01.03) (10)	automated	monthly

5. Attribute

Integrated System with Common Structures

6. Metric Intent

This metric confirms that the planning, scheduling, budgeting, work authorization and cost accumulation systems integrated with each other as appropriate, via common data elements and a common coding structure through the WBS and the OBS at the CA level (at a minimum) through the total project level. This metric with the integration of the schedule system and cost system ensures that project schedule start, actual start, and schedule finish date information align to corresponding cost system time-phased ETC and ACWP information for all incomplete work by EOC.

7. Metric Short Description

start or finish dates by EOC, FC IMS <> EVMS cost tool

a A

8. Metric

X = Number of incomplete WP or PP WBSs by EOC in the FC IMS, where FC IMS start, actual start, or finish dates <> EVMS cost tool start, actual start, or finish dates.

Y = Number of incomplete WP or PP WBSs by EOC in the FC IMS.
Conduct at the CA level if ACWP is at the CA WBS level.

9. Max. Threshold	10. Max. Tolerance	11. Weight	
0		2.3	

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF04_{schedule}	FF04_{schedule}	FF03_{cost}_[C]_period_date
FF03_{cost}	FF03_{cost}	FF03_{cost}_[D]_WBS
		FF03_{cost}_[G]_WBS_type
		FF03_{cost}_[K]_inc_BCWS_dollars
		FF03_{cost}_[L]_inc_BCWP_dollars
		FF03_{cost}_[M]_inc_ACWP_dollars
		FF03_{cost}_[N]_inc_ETC_dollars
		FF04_{schedule}_[C]_schedule_type
		FF04_{schedule}_[D]_task_ID
		FF04_{schedule}_[E]_task_type
		FF04_{schedule}_[G]_WBS
		FF04_{schedule}_[L]_ES_date [period]
		FF04_{schedule}_[M]_EF_date [period]
		FF04_{schedule}_[T]_AS_date
		FF04_{schedule}_[U]_AF_date
		FF06_{schedule_resources}_[C]_schedule_type
		FF06_{schedule_resources}_[E]_task_ID
		FF06_{schedule_resources}_[H]_EOC

13. Assumptions

ACWPs are collected at the WP level. If ACWPs are collected at the CA level, test needs to be conducted at CA level.

14. Instructions

Determine Y items based on the following.

Count FF04_{schedule}_[G]_WBS by FF06_{schedule_resources}_[H]_EOC items and, if identified, with the following characteristics.

- FF03_{cost}_[G]_WBS_type = WP or PP or CA (if ACWP at CA)
- FF04_{schedule}_[C]_schedule_type = FC,FF06_{schedule_resources}_[C]_schedule_type=FC
- FF04_{schedule}_[E]_task_type <> M or SVT or ZBA or SM
- 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

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

Identify FF03_{cost}_[D]_WBS by FF03_{cost}_[E]_EOC,FF04_{schedule}_[G]_WBS and, if identified, with the following characteristics.

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

- first of (FF04_{schedule}_[T]_AS_date (IF FF04_{schedule}_[T]_AS_date = null) OR FF04_{schedule}_[L]_ES_date [period] (IF FF04_{schedule}_[T]_AS_date <> null)) <> first of (ETC (IF FF03_{cost}_[M]_inc_ACWP_dollars = null OR FF03_{cost}_[L]_inc_BCWP_dollars = null) OR first of FF03_{cost}_[M]_inc_ACWP_dollars or FF03_{cost}_[L]_inc_BCWP_dollars (IF FF03_{cost}_[M]_inc_ACWP_dollars <> null OR FF03_{cost}_[L]_inc_BCWP_dollars <> null))
  OR

Y
qualifier

WBS type
sch. type
task type
incomplete

X
qualifier

qualifier
operation

last of (FF04_{schedule}_[U]_AF_date (IF FF04_{schedule}_[U]_AF_date <> null) OR FF04_{schedule}_[M]_EF_date [period] (IF FF04_{schedule}_[U]_AF_date = null)) <> last FF03_{cost}_[N]_inc_ETC_dollars

Determine if X or X/Y exceeds the threshold.

15. Reference(s)

Page 7, Typical Attribute(s): "Provide a logical framework that links the products of the management processes through common data elements."

Page 7, Intent: "Integrate the technical, schedule, and cost elements of the project through project plans that include schedules, budgets, authorization of work, and accumulation of costs, all consistent with the budget plan."

Page 12, Typical Attribute(s): "Resource estimates from the budget plan are reasonable and resources are available to support the schedule."

Page 44, Typical Attribute(s): "Control account manager should generate the Estimate to Complete (ETC) at the work package and planning package level. The sum of the control account manager's work package and planning package ETCs are added to the control account actual cost to develop the control account EAC. Control account EACs are summarized through the WBS and OBS to the program and contract level."

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. Combined IDs 03.01.02 and 03.01.03 metrics, FC.	2020-02-10	PM-30	2020-02-10	Melvin Frank
V02.00	Updated for release. Sections 12 and 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