Compare Results

Old File:		New File:
05.04.02 v03.pdf	versus	**A.05.07 - 05.04.02 v04.pdf**
3 pages (112 KB)		**3 pages (136 KB)**
1/22/2022 3:28:00 PM		1/23/2022 12:38:27 AM

Total Changes

40

Content

16	Replacements
15	Insertions
9	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.05.07**	(05.04.02) (21)	automated	quarterly

5. Attribute

Control Account (CA) to Organizational Element

6. Metric Intent

This metric confirms that CAs are established based on the complexity of the work, and the control and analysis needed to manage the work effectively. This metric ensures that the identification of the CA structure and the proper level of management is based on the complexity of the work and the capability of the organization. The metric ensures there are no open CAs with budget values > 7% of the PMB work remaining and period BCWS with 3 consecutive period SV or CV with > 10% threshold breach.

7. Metric Short Description

CA with 3 consecutive SV or CV threshold trips

a   A

8. Metric

X = Number of CA WBSs where CAM work remaining/project work remaining > 7% and CAM BCWSi/project BCWSi > 10% in the EVMS cost tool, with 3 consecutive period SV or CV threshold trips.

Y = Number of CA WBSs where CAM work remaining/project work remaining > 7% and CAM BCWSi/project BCWSi >10% in the EVMS cost tool.

9. Max. Threshold	10. Max. Tolerance	11. Weight
0		1.8

12. Needed Artifacts and Data Elements

Y artifact(s)	X artifact(s)	FF data elements
FF03_{cost}	FF07_{IPMR header}	FF03_{cost}_[B]_CPP_status_date
	CPP-1_FF03_{cost}	FF03_{cost}_[C]_period_date
	CPP-2_FF03_{cost}	FF03_{cost}_[D]_WBS
	CPP-1_FF07_{IPMR header}	FF03_{cost}_[G]_WBS_type
	CPP-2_FF07_{IPMR header}	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}_[B]_CPP_status_date
		FF07_{IPMR_header}_[Y]_F1_6_c_CBB
		FF07_{IPMR_header}_[AF]_F1_8_f_MR_bgt
		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
		CPP-1_FF03_{cost}_[B]_CPP_status_date
		CPP-2_FF03_{cost}_[B]_CPP_status_date
		CPP-1_FF03_{cost}_[K]_inc_BCWS_dollars
		CPP-2_FF03_{cost}_[K]_inc_BCWS_dollars
		CPP-1_FF03_{cost}_[K]_BCWSc
		CPP-2_FF03_{cost}_[K]_BCWSc
		CPP-1_FF03_{cost}_[L]_inc_BCWP_dollars
		CPP-2_FF03_{cost}_[L]_inc_BCWP_dollars
		CPP-1_FF03_{cost}_[L]_BCWPc
		CPP-2_FF03_{cost}_[L]_BCWPc
		CPP-1_FF03_{cost}_[M]_inc_ACWP_dollars
		CPP-2_FF03_{cost}_[M]_inc_ACWP_dollars
		CPP-1_FF03_{cost}_[M]_ACWPc
		CPP-2_FF03_{cost}_[M]_ACWPc
		CPP-1_FF07_{IPMR_header}_[B]_CPP_status_date
		CPP-2_FF07_{IPMR_header}_[B]_CPP_status_date
		CPP-1_FF07_{IPMR_header}_[AK]_threshold_cum_dollar
		CPP-2_FF07_{IPMR_header}_[AK]_threshold_cum_dollar
		CPP-1_FF07_{IPMR_header}_[AL]_threshold_cum_pct
		CPP-2_FF07_{IPMR_header}_[AL]_threshold_cum_pct
		CPP-1_FF07_{IPMR_header}_[AM]_threshold_inc_dollar
		CPP-2_FF07_{IPMR_header}_[AM]_threshold_inc_dollar
		CPP-1_FF07_{IPMR_header}_[AN]_threshold_inc_pct
		CPP-2_FF07_{IPMR_header}_[AN]_threshold_inc_pct

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}_[K]_DB - FF03_{cost}_[L]_BCWPc) for CAM / (FF03_{cost}_[K]_DB - FF03_{cost}_[L]_BCWPc) for project > 7%

- FF03_{cost}_[K]_inc_BCWS_dollars for CAM / FF03_{cost}_[K]_inc_BCWS_dollars for project > 10%

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

Identify FF03_{cost}_[B]_CPP_status_date,CPP-1_FF03_{cost}_[B]_CPP_status_date,CPP-2_FF03_{cost}_[B]_CPP_status_date,FF07_{IPMR_header}_[B]_CPP_status_date,CPP-1_FF07_{IPMR_header}_[B]_CPP_status_date,CPP-2_FF07_{IPMR_header}_[B]_CPP_status_date and, if identified, with the following characteristics.

- FF03_{cost}_[B]_CPP_status_date = FF03_{cost}_[C]_period_date for incremental operation

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

- (abs(FF03_{cost}_[L]_inc_BCWP_dollars - FF03_{cost}_[K]_inc_BCWS_dollars) > FF07_{IPMR_header}_[AM]_threshold_inc_dollar
  AND
  abs(CPP-1_FF03_{cost}_[L]_inc_BCWP_dollars - CPP-1_FF03_{cost}_[K]_inc_BCWS_dollars) > CPP-1_FF07_{IPMR_header}_[AM]_threshold_inc_dollar
  AND
  abs(CPP-2_FF03_{cost}_[L]_inc_BCWP_dollars - CPP-2_FF03_{cost}_[K]_inc_BCWS_dollars) > CPP-2_FF07_{IPMR_header}_[AM]_threshold_inc_dollar)
  OR
  (abs(FF03_{cost}_[L]_BCWPc - FF03_{cost}_[K]_BCWSc) > FF07_{IPMR_header}_[AK]_threshold_cum_dollar
  AND
  abs(CPP-1_FF03_{cost}_[L]_BCWPc - CPP-1_FF03_{cost}_[K]_BCWSc) > CPP-1_FF07_{IPMR_header}_[AK]_threshold_cum_dollar
  AND
  abs(CPP-2_FF03_{cost}_[L]_BCWPc - CPP-2_FF03_{cost}_[K]_BCWSc) > CPP-2_FF07_{IPMR_header}_[AK]_threshold_cum_dollar)
  OR
  (abs(FF03_{cost}_[L]_inc_BCWP_dollars / FF03_{cost}_[K]_inc_BCWS_dollars) > FF07_{IPMR_header}_[AN]_threshold_inc_pct
  AND
  abs(CPP-1_FF03_{cost}_[L]_inc_BCWP_dollars / CPP-1_FF03_{cost}_[K]_inc_BCWS_dollars) > CPP-1_FF07_{IPMR_header}_[AN]_threshold_inc_pct
  AND
  abs(CPP-2_FF03_{cost}_[L]_inc_BCWP_dollars / CPP-2_FF03_{cost}_[K]_inc_BCWS_dollars) > CPP-2_FF07_{IPMR_header}_[AN]_threshold_inc_pct)
  OR
  (abs(FF03_{cost}_[L]_BCWPc / FF03_{cost}_[K]_BCWSc) > FF07_{IPMR_header}_[AL]_threshold_cum_pct
  AND
  abs(CPP-1_FF03_{cost}_[L]_BCWPc / CPP-1_FF03_{cost}_[K]_BCWSc) > CPP-1_FF07_{IPMR_header}_[AL]_threshold_cum_pct
  AND
  abs(CPP-2_FF03_{cost}_[L]_BCWPc / CPP-2_FF03_{cost}_[K]_BCWSc) > CPP-2_FF07_{IPMR_header}_[AL]_threshold_cum_pct)
  OR
  (abs(FF03_{cost}_[L]_inc_BCWP_dollars - FF03_{cost}_[M]_inc_ACWP_dollars) > FF07_{IPMR_header}_[AM]_threshold_inc_dollar
  AND
  abs(CPP-1_FF03_{cost}_[L]_inc_BCWP_dollars - CPP-1_FF03_{cost}_[M]_inc_ACWP_dollars) > CPP-1_FF07_{IPMR_header}_[AM]_threshold_inc_dollar
  AND
  abs(CPP-2_FF03_{cost}_[L]_inc_BCWP_dollars - CPP-2_FF03_{cost}_[M]_inc_ACWP_dollars) > CPP-2_FF07_{IPMR_header}_[AM]_threshold_inc_dollar)
  OR
  (abs(FF03_{cost}_[L]_BCWPc - FF03_{cost}_[M]_ACWPc) > FF07_{IPMR_header}_[AK]_threshold_cum_dollar
  AND
  abs(CPP-1_FF03_{cost}_[L]_BCWPc - CPP-1_FF03_{cost}_[M]_ACWPc) > CPP-1_FF07_{IPMR_header}_[AK]_threshold_cum_dollar
  AND
  abs(CPP-2_FF03_{cost}_[L]_BCWPc - CPP-2_FF03_{cost}_[M]_ACWPc) > CPP-2_FF07_{IPMR_header}_[AK]_threshold_cum_dollar)
  OR
  (abs(FF03_{cost}_[L]_inc_BCWP_dollars / FF03_{cost}_[M]_inc_ACWP_dollars) > FF07_{IPMR_header}_[AN]_threshold_inc_pct
  AND
  abs(CPP-1_FF03_{cost}_[L]_inc_BCWP_dollars / CPP-1_FF03_{cost}_[M]_inc_ACWP_dollars) > CPP-1_FF07_{IPMR_header}_[AN]_threshold_inc_pct
  AND
  abs(CPP-2_FF03_{cost}_[L]_inc_BCWP_dollars / CPP-2_FF03_{cost}_[M]_inc_ACWP_dollars) > CPP-2_FF07_{IPMR_header}_[AN]_threshold_inc_pct)
  OR
  (abs(FF03_{cost}_[L]_BCWPc / FF03_{cost}_[M]_ACWPc) > FF07_{IPMR_header}_[AL]_threshold_cum_pct
  AND
  abs(CPP-1_FF03_{cost}_[L]_BCWPc / CPP-1_FF03_{cost}_[M]_ACWPc) > CPP-1_FF07_{IPMR_header}_[AL]_threshold_cum_pct

AND
abs(CPP-2_FF03_{cost}_[L]_BCWPc / CPP-2_FF03_{cost}_[M]_ACWPc) > CPP-2_FF07_{IPMR_header}_[AL]_threshold_cum_pct)

Determine if X or X/Y exceeds the threshold.

15. Reference(s)

Page 9, Intent: "The establishment of multiple control accounts should be determined by the control account's scope of the management tasks and consideration for planning and control of budgets, schedules, work assignments, progress assessment, problem identification, and corrective actions."

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