

EVMS Test Metric Specification

1. **GUIDELINE NO:**
10

2. **TEST METRIC ID:**
10A109b

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
10A1: Work packages have the following characteristics:

- Represent the scope of work at the level where work is performed or aggregated.
- Are distinguishable from all other work packages.
- Are assigned to a single organizational element.
- Include scheduled start and completion dates; and as applicable, interim milestones, all of which are representative of technical accomplishment.
- Have a time-phased budget or value expressed in terms of dollars, labor hours, or other measurable units that is substantiated in terms of supporting project plans.
- Have durations that are limited to a span of time that is practical for the work scope. Longer-duration work packages have interim objective measures, such as points of technical achievement, to enable accurate performance assessment.
- Are identified within the Integrated Master Schedule (IMS) and other supporting schedules.

5. **TEST DEFINITION:**
Does each WP/PP/SLPPs have an assigned budget?

6. **TEST METRIC:**
 $X = \text{Count of WPs/PPs/SLPPs with } BAC \leq 0$
 $Y = \text{Total count of WPs/PPs/SLPPs}$

7. **METRIC THRESHOLD:**
 $X/Y \leq 5\%$

8. **DATA ELEMENTS REQUIRED:**
13 EV Cost Tool Data
 13C ACWPCUM
 13H BAC
 13BA WP/PP/SLPP UIDs
44 Cost Data Dictionary

9. **ASSUMPTIONS:**

1. If scope has been assigned to the WPs/PPs/SLPPs that tripped this metric, but $BAC \leq 0$, GL8 also needs to be investigated to determine if the PMB is accurate. An accurate baseline would be scope that also has corresponding schedule and budget.
2. Use rounding to the nearest dollar as a whole number verifying BAC.
3. Test Metric is performed with WPs, all PP (GL10 – Attribute 3), and all SLPPs (GL 8 – Attribute 1).

4. If trips are accruing ACWP, then they might warrant further investigation. Rounding is not applicable to ACWP.
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10. INSTRUCTIONS:

1. Identify and count all WPs/PPs/SLPPs; this is the denominator (Y) of the test metric.
2. Identify and count all WPs/PPs/SLPPs where BAC is negative or zero; this is the numerator (X).
3. Calculate the test metric (Block 7): X divided by Y.
4. Use block 7 as an indicator in the overall Risk Assessment to determine if further evaluation is warranted.

11. CONFIGURATION SUMMARY:

<i>Rev Number</i>	<i>Detailed Description of Change</i>	<i>Sections Affected</i>	<i>Spec Sheet Date</i>
v1.0	Initial Budgeting CCB	All	1/19/2016
v2.0	CCB – validated & merged with 21A501a		5/17/2016
v2.1	Integration – updated data elements		9/13/2016
v3.0	Minor changes – updated to 3.0		3/23/2017
v3.1	Minor Changes, Removed Block 4 (Frequency)		11/27/2018
v3.3	No changes – updated to v3.3		5/24/2019
v3.4	Update: Attribute and Assumptions		8/31/2019
v3.5	Update Assumptions		2/22/2020
v3.6	No changes – updated to v3.6		8/30/2020
v4.0	Changed Metric Template to delete old blocks 4, 9, 13, & 14 & updated block numbering & wording. Removed Pass/Fail verbiage to allow assessment of test results case by case. Added data element 44 to supplement artifact 13. Update ensures that the analysis is focused on co-mingling of EOC to cover intent of deleted 10A202a. Also, to cover removed scope from 10A105a that verifies QBD on how performance is claimed for material.	4, 5, 8, 9, 10	3/05/2021
v5.0	Added assumption 2 to reference other applicable GL attributes. Fixed assumption 1 to reference WPs vice CAs. Updated WP complete assumption to align with other metrics.	9	12/13/2021
v6.0	Update layout for Section 508 Accessibility Compliance		12/06/2022
v7.0	Update Assumptions Update layout for Section 508 Accessibility Compliance		12/06/2024
v8.0	No changes - updated to v8.0		8/21/2025