

EVMS Test Metric Specification

1. **GUIDELINE NO:**
10

2. **TEST METRIC ID:**
10A102a

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:**
Is each Work Package assigned a single EVT?

6. **TEST METRIC:**
X = Count of incomplete WPs that have more than one EVT or no EVT assigned
Y = Total count of incomplete WPs

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

8. **DATA ELEMENTS REQUIRED:**
13 EV Cost Tool Data
 13H BAC
 13Q BCWP_{CUM}
 13AP EVT
 13BA WP/PP/SLPP UIDs
44 Cost Data Dictionary

9. **ASSUMPTIONS:**

1. For discrete WPs: If BAC and BCWP_{CUM} are within \$100 (or 1 hour), then WP is complete.
2. For LOE WPs: If BAC and BCWP_{CUM} are within \$100 (or 1 hour) and ETC is less than \$100, then the WP is complete.
3. PPs and SLPPs are not included.
4. Analysis is based on current month in EV cost tool data only.

10. INSTRUCTIONS:

1. Identify and count all incomplete WPs in the EV Cost Tool data; this is the denominator (Y) of the test metric.
2. Identify and count any incomplete WPs that have more than one EVT or no EVT assigned; this is the numerator (X) of the test metric.
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		5/17/2016
v2.1	Integration – updated data elements		9/13/2016
v3.0	No changes – updated to 3.0		3/23/2017
v3.1	Minor Changes, Removed Block 4 (Frequency)		11/27/2018
v3.3	Updated Assumptions		5/24/2019
v3.4	Update Attribute		8/31/2019
v3.5	No changes – updated to v3.5		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” in blk 10 for DECM consistency. Admin update to capitalize “Cost Tool”. Added data element 44 to supplement artifact 13 & updated blk 8 DE for DECM consistency. Changes (to blk 5, 6-X, 9-add asm. 3, & 10-2) covers intent of deleted 10A202a. Focuses on co-mingling of EOC to verify each WP has only one EVT. Added asm 2 blk 9 to differentiate discrete from LOE complete.	5, 6, 8, 9, 10	3/05/2021
v5.0	No changes – updated to v5.0		12/13/2021
v6.0	Update layout for Section 508 Accessibility Compliance		12/02/2022
v7.0	Update layout for Section 508 Accessibility Compliance		12/06/2024
v8.0	No changes - updated to v8.0		8/21/2025