

EVMS Test Metric Specification

1. **GUIDELINE NO:**
12

2. **TEST METRIC ID:**
12I101a

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
12I1: The nature of LOE is such that the Budgeted Cost for Work Performed (BCWP) reflects only the passage of time during which LOE tasks/activities are planned; there is never a Schedule Variance (SV), i.e., BCWP always equals Budgeted Cost for Work Scheduled (BCWS).

5. **TEST DEFINITION:**
Do LOE WPs have schedule variances?

6. **TEST METRIC:**
X = Count of incomplete LOE WPs where $(BCWP_{CUM} - BCWS_{CUM})$ does not equal 0
Y = Total count of incomplete LOE WPs

7. **METRIC THRESHOLD:**
 $X/Y = 0\%$

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

9. **ASSUMPTIONS:**
 1. If BAC and $BCWP_{CUM}$ are within \$100 (or 1 hour) and ETC is less than \$100, the WP is complete.
 2. Use rounding to the nearest whole number for $BCWP_{CUM}$ and $BCWS_{CUM}$.

10. **INSTRUCTIONS:**
 1. Identify and count all incomplete WPs with an LOE EVT; this is the denominator (Y) of the test metric.
 2. Using the set of WPs identified in Step 1, identify and count all incomplete LOE WPs that have a schedule variance; 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
v1.1	Edited and returned for retest		6/22/2016
v2.1	Updated after retest		11/17/2016
v3.0	No changes – updated to 3.0		3/23/2017
v3.1	Updated assumptions, Removed Block 4 (Frequency)		11/28/2018
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. Updated DE in blk 8 for DECM consistency. Added data element 44 to supplement artifact 13. Admin updated numbering oversight in blk 10 step 2. Updated blk 9 asm 3 to align with definition of LOE complete discussed and approved on CCB 1/20/21 to add “and ETC is less than \$100”.	8, 9, 10	3/05/2021
v5.0	Updated language to “non-LOE” to account for WPs that are neither LOE or Discrete.	5,6,9,10	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