

EVMS Test Metric Specification

1. **GUIDELINE NO:**
29

2. **TEST METRIC ID:**
29A401a

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
29A4: Effective controls are in place to restrict changes to work scope and budgets for open work packages.

5. **TEST DEFINITION:**
Are there changes to open WPs?

6. **TEST METRIC:**
 $X = \text{Count of prior period open WPs where current month BAC} \neq \text{previous month BAC}$

7. **METRIC THRESHOLD:**
 $X=0$

8. **DATA ELEMENTS REQUIRED:**
13 EV Cost Tool Data
 13C ACWP_{CUM}
 13L BAC for WP (current and prior month)
 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. Total comparison difference of \$100 (or 1 hour) or less is not considered a deficiency.
 4. Open WPs have BCWP_{CUM} or ACWP_{CUM} greater than \$100.

10. **INSTRUCTIONS:**
 1. Identify and count the number of open WPs from the prior period where current period BAC does not equal the prior period's BAC; this is the X of the test metric.
 2. 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>
BSLN	Initial Approval (Original)	All	09/14/2015
v2.0	CCB - validated		08/16/2016
v2.1	Integration – updated data elements		09/14/2016
v3.0	No changes – updated to 3.0		03/23/2017
v3.1	Updated assumptions, Removed Block 4 (Frequency)		11/28/2018
v3.2	Add Data Element BCWP _{CUM}		2/21/2019
v3.3	Added Assumption 3, Deleted Instruction 6, Added Data Element ACWP _{CUM}		5/24/2019
v3.4	Update Attribute		8/31/2019
v3.5	Update: Data Elements Required and Instructions		2/22/2020
v3.6	Update: Test metric and Instructions		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 & updated blk 8 for DECM consistency. Added asm 2 in blk 9 to differentiate discrete from LOE complete.	8, 9, 10	3/05/2021
v5.0	Added 13AP data element. Updated test metric and instruction to be count only. Changed threshold to 0.	6, 7, 8, 10	12/13/2021
v6.0	Update layout for Section 508 Accessibility Compliance		12/05/2022
v7.0	Update layout for Section 508 Accessibility Compliance		12/06/2024
v8.0	No changes - updated to v8.0		8/21/2025