

EVMS Test Metric Specification

1. **GUIDELINE NO:**
11

2. **TEST METRIC ID:**
11A101a

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
11A1: The sum of all work package budgets plus planning package budgets within control accounts equals the budgets authorized for those control accounts.

5. **TEST DEFINITION:**
For all CAs, does the BAC for the CA equal the sum of the WP and PP budgets within the CA?

6. **TEST METRIC:**
X = Sum of the absolute values of (CA BAC – the sum of its WP and PP budgets)
Y = Total program BAC

7. **METRIC THRESHOLD:**
 $X/Y \leq 1\%$

8. **DATA ELEMENTS REQUIRED:**
13 EV Cost Tool Data
 13J BAC (for CAs)
 13M BAC (for WPs and PPs)
 13AA CA UIDs
 13BA WP/PP/SLPP UIDs
44 Cost Data Dictionary

9. **ASSUMPTIONS:**

1. Metric tests the sum of CA budgets, not individual CAs.
2. When the contractor uses an off-the-shelf EVM tool set to execute a roll-up function from lowest level to highest level, DCMA or SUPSHIP will confirm that the tool set performs the calculation as an initial test only until such time as a tool set change or major upgrade occurs.
3. If not using an off-the-shelf EVM tool set to calculate variances, the test metric must be performed manually.
4. Use rounding to the nearest whole number for the sum of CA and WP budgets (BAC).

10. **INSTRUCTIONS:**

1. Sum the budgets (BAC) for all CAs; this is the denominator (Y) of the test metric.
2. For each CA, sum the budgets of all WPs and PPs within it.
3. Take the sum calculated in Step 2 and subtract it from the CA BAC.
4. Sum the absolute values of any differences calculated in Step 3; this is the numerator (X) of the test metric.
5. Calculate the test metric (Block 7): X divided by Y.

6. 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	Removed Block 4 (Frequency)		12/19/2018
v3.3	No changes – updated to v3.3		5/24/2019
v3.4	Update 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 elements 44 & 45 to supplement artifacts 11 & 13, and updated blk 8 Data Elements for DECM consistency. 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	No changes – updated to v5.0		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