

EVMS Test Metric Specification

1. **GUIDELINE NO:**
29

2. **TEST METRIC ID:**
29I401a

3. **TEST TYPE:**
Automated/Manual

4. **ATTRIBUTE/INTENT DEFINITION:**
29I4: Internal replanning must be accomplished in a systematic and timely manner, and must be carefully controlled. Internal replanning should not be used as an alternative to proper initial planning, nor should it be used to mask legitimate variances.

5. **TEST DEFINITION:**
Are baseline dates being updated to mask legitimate variances?

6. **TEST METRIC:**
X = Count of sampled baseline date changes without substantiation

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

8. **DATA ELEMENTS REQUIRED:**
 - 03 EVM System Description
 - 03B Internal Replanning Parameters
 - 11 Integrated Master Schedule (IMS)
 - 11AM Task/Milestone UIDs
 - 11H Baseline Finish Date (Period to Period Comparison)
 - 11K Baseline Start Date (Period to Period Comparison)
 - 11U EVT
 - 11AP WP/PP/SLPP UIDs
 - 18 Baseline Control Logs
 - 18B Baseline Changes (Selected)
 - 43 Baseline Change Request
 - 43A Baseline Change Substantiation
 - 45 IMS Data Dictionary

9. **ASSUMPTIONS:**
 1. Test metric is based on a sample of baseline date changes.
 2. Test metric is based on a Zero Based Sampling Plan, per MIL-STD-1916 and ANSI/ASQ Z1.4, with an Acceptable Quality Limit (AQL) of 4.0%. When a different sampling plan is used, methodology must be explained. When appropriate, it is acceptable to test the entire population instead of sampling.
 3. When applicable, sample must be selected from different WPs/PPs/SLPPs instead of multiple tasks/activities & milestones within a single WP/PP/SLPP.
 4. P1: Period 1 (Current Period)
 5. P2: Period 2 (Previous Period)
 6. P3: Period 3 (Month prior to P2)
 7. BS: Baseline Start Date

8. BF: Baseline Finish Date

10. INSTRUCTIONS:

1. Perform an IMS baseline date comparison using the last 3 months of IMS submittals and select all Non-LOE tasks/activities & milestones that meet the following conditions: (P1.BS not equal to P2.BS or P1.BF not equal P2.BF) or (P2.BS not equal to P3.BS or P2.BF not equal P3.BF).
2. From the population in step 1, determine a sample using assumptions 2 and 3. Using the sample from step 2, calculate Numerator (X):
 - a. Set 1: Count the number of tasks/activities & milestones that do not have associated baseline control log entries.
 - b. Set 2: For the tasks/activities & milestones with baseline control log entries, identify the associated baseline change documents and determine if the description noted in the baseline change document provides substantiation for the change in accordance with the system description. Count the tasks/activities & milestones that do not have substantiation for the baseline date change in accordance with the system description.
 - c. Add Set 1 and Set 2; this is the numerator (X) of the test metric.
3. 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	NEW		12/17/2015
v2.0	CCB - validated		08/16/2016
v2.1	Integration – updated data elements		09/14/2016
v3.0	Minor changes – updated to 3.0		03/23/2017
v3.1	Removed Block 4 (Frequency)		12/19/2018
v3.3	Updated blocks 10, 11, and 12. Clarified sampling methodology of Non-LOE tasks/activities & milestones.		5/24/2019
v3.4	Update: Test Metric, Metric Threshold, Assumptions, and Instructions		8/31/2019
v3.5	Update Assumptions		2/22/2020
v3.6	No changes – updated to v3.6		8/30/2020
v3.6.1	Removed “sample” from X block 6. Updated instruction wording for clarification. Removed assumptions 1-4 (included in step 1 block 12)		11/02/2020
v4.0	Update to correct oversight of removing “sample” wording from metric. Add asm 1-3 & update blk 10-2 to align with sampling wording. 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 45 to supplement artifact 11.	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		12/05/2022
v7.0	Update layout for Section 508 Accessibility Compliance		12/06/2024
v8.0	No changes - updated to v8.0		8/21/2025