

EVMS Test Metric Specification

1. **GUIDELINE NO:**
06

2. **TEST METRIC ID:**
06A505b

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
06A5: The schedule provides baseline, forecast, and actual dates.

5. **TEST DEFINITION:**
Do all complete tasks/activities & milestones have actual finish dates?

6. **TEST METRIC:**
X = Count of complete tasks/activities & milestones with no actual finish date
Y = Total count of complete tasks/activities & milestones

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

8. **DATA ELEMENTS REQUIRED:**
11 Integrated Master Schedule
 11A Actual Finish Date
 11T EV % Complete
 11AM Task/Milestone UIDs
13 EV Cost Tool Data
 13AN EV% complete
45 IMS Data Dictionary

9. **ASSUMPTIONS:**
 1. A task/activity or milestone is considered “complete” if EV percent complete = 100%.
 2. EV percent complete is available at the task/activity & milestone level in the IMS.
 3. If the EV percent complete field is not available in the IMS, use the EV Cost Tool data to obtain the EV percent complete information for each in progress task/activity & milestone. If the work package level is at the summary level in the IMS, compare the EV percent complete at the IMS summary level to the EV Cost Tool data.
 4. The scheduling software tool has both an actual start and an actual finish date for a milestone; if this is not the case, adjust the methodology accordingly.
 5. Summary tasks/activities are not included.

10. **INSTRUCTIONS:**
 1. Identify and count the total number of complete tasks/activities & milestones where EV percent complete is 100%; this is the denominator (Y) of the metric.
 2. Identify and count the number of complete tasks/activities & milestones from Step 1 that have no actual finish date; this is the numerator (X) of the 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 CCB		12/02/2015
v2.0	CCB - validated		4/20/2016
v2.1	Integration – updated data elements		9/13/2016
RED	Minor change submitted to CCB		2/28/2017
v3.0	Minor changes accepted by CCB		3/28/2017
v3.1	Removed Block 4 (Frequency)		12/19/2018
v3.3	No changes – updated to v3.3		5/24/2019
v3.4	No changes – updated to v3.4		8/31/2019
v3.5	No changes – updated to v3.5		2/22/2020
v3.6	Update: Test Step, Test Metric, Data Elements Required, Assumptions, and Instructions		8/30/2020
v3.6.1	Added “& milestones” and “task” in block 11. Updated capitalization of Cost Tool		11/02/2020
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 45 to supplement artifact 11. Added “in the IMS” blk 9 asm 2 & updated asm 3 to align with 06A505a asm 3.	8, 9, 10	3/05/2021
v5.0	Added assumption 5 to align to other GL6 metric changes approved in v4.0	9	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