

EVMS Test Metric Specification

1. **GUIDELINE NO:**
06

2. **TEST METRIC ID:**
06A204b

3. **TEST TYPE:**
Automated

4. **ATTRIBUTE/INTENT DEFINITION:**
06A2: The network schedule/IMS depicts the sequence of work (horizontal integration) and identifies the significant interdependencies that are indicative of the actual way the work is planned and accomplished.

5. **TEST DEFINITION:**
Are there open starts or finishes (“dangling logic”) in the schedule?

6. **TEST METRIC:**
X = Count of incomplete Non-LOE tasks/activities & milestones with open starts or finishes
Y = Total count of incomplete Non-LOE tasks/activities & milestones

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

8. **DATA ELEMENTS REQUIRED:**
11 Integrated Master Schedule
 11A Actual Finish Date
 11G Baseline Finish Date
 11J Baseline Start Date
 11U EVT
 11AE Predecessor (Type)
 11AK Successor (Type)
 11AM Task/Milestone UIDs
45 IMS Data Dictionary

9. **ASSUMPTIONS:**
 1. An “open start” is defined as:
 - tasks/activities that contains only finish to finish, start to finish, or blanks for predecessor.
 - milestones with a blank predecessor.
 2. An “open finish” is defined as:
 - tasks/activities that contains only start to start, start to finish, or blanks for successor.
 - milestones with a blank successor.
 3. The first tasks/activities & milestones have the earliest baseline start date in the IMS and should be excluded from the open start portion of this metric.
 4. The last tasks/activities & milestones have the latest baseline finish date in the IMS and should be excluded from the open finish portion of this metric.

5. Incomplete tasks/activities & milestones equals no actual finish date in the IMS.
 6. Summary tasks/activities are not included.
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10. INSTRUCTIONS:

1. Identify and count all incomplete Non-LOE tasks/activities & milestones in the IMS; this is the denominator (Y) of the metric.
2. Identify and count all incomplete Non-LOE tasks/activities & milestones with an open start or open finish relationship as defined in assumptions 1 and 2; this is the numerator (X) of the metric.
 - a. Situations to investigate for task/activity predecessor
 - i. Only FF
 - ii. Only SF
 - iii. Only FF + SF
 - iv. Blank predecessor
 - b. Situations to investigate for task/activity successor
 - i. Only SS
 - ii. Only SF
 - iii. Only SS + SF
 - iv. Blank successor
 - c. Situation to investigate for milestone predecessor:
 - i. Blank predecessor
 - d. Situation to investigate for milestone successor:
 - i. Blank successor
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	New metric		12/02/2015
v2.0	CCB - validated		4/20/2016
v2.1	Integration – updated data elements		9/13/2016
RED	Minor modification		3/21/2017
v3.0	Minor changes accepted by CCB		3/23/2017
v3.1	Defining incomplete WPs, PPs, and SLPPs in IMS as no actual finish date, Removed Block 4 (Frequency)		11/27/2018
v3.2	Reworded assumptions (open finishes and starts) & specified metric to include only discrete activities		2/21/2019
v3.3	Updated “discrete” to “Non-LOE” in Blocks 7 & 12		5/24/2019
v3.4	Update: Attribute, Assumptions, and Instructions		8/31/2016
v3.5	Update: Assumptions and Instructions		2/22/2020
v3.6	Update: Data Elements Required and Assumptions		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 45 to supplement artifact 11. Added “milestone” in blk 10 for DECM consistency. Updated blks 9 & 10 to identify open starts & open finishes separately for milestones in order to avoid false trips.	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		12/02/2022
v7.0	Update layout for Section 508 Accessibility Compliance		12/06/2024
v8.0	No changes - updated to v8.0		8/21/2025