EVMS Test Metric Specification

1. GUIDELINE NO:
06

2. TEST METRIC ID:
06A211a

3. TEST TYPE:
Manual

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:
Is high total float rationale/justification acceptable?

6. TEST METRIC:
X = Count of high total float non-LOE tasks/activities & milestones sampled with inadequate rationale
Y = Total count of high total float non-LOE tasks/activities & milestones sampled

7. METRIC THRESHOLD:
$X/Y \leq 20\%$

8. DATA ELEMENTS REQUIRED:
11 Integrated Master Schedule
- 11A Actual Finish Date
- 11U EVT
- 11X Total Float/Slack
- 11AD Predecessors
- 11AJ Successors
- 11AM Task/Activity/Milestone UIDs
- 11AR CA UIDs

45 IMS Data Dictionary

9. ASSUMPTIONS:
1. Test metric is based on a sample of incomplete tasks/activities & milestones.
2. With threshold > 0, the MIL-STD-1916 and ANSI/ASQ Z1.4 Zero Based Sampling Plan does not apply. Chosen sampling methodology must be explained. When appropriate, it is acceptable to test the entire population instead of sampling.
3. Incomplete tasks/activities & milestones equals no actual finish date in the IMS.

10. INSTRUCTIONS:
1. To identify tasks with high float, filter the IMS for incomplete non-LOE tasks/activities & milestones that have total float greater than 44 days.
2. Determine sample size from the filtered list in Step 1; this is the denominator (Y) of the test metric.
3. Send the list of sample tasks/activities & milestones, including the unique identifier of each task, to the contractor and ask them to provide documented rationale and

justification for the total float values of each task/activity & milestone. In lieu of documented rationale, a live demonstration with the responsible CAM(s) and scheduler to provide the rationale and justification can be performed. Ensure that the rationale and justification addresses:

   a. Why were the assigned predecessor(s) and successor(s) chosen for each of the sample tasks/activities & milestones?
   b. Why additional or alternate predecessors and/or successors are not needed to reduce the float value?
   c. If the rationale provided for a task/activity & milestone does not adequately address the above questions, then that task is considered to have missing/incorrect dependencies (predecessors/successors).

4. Count the number of tasks/activities & milestones determined to have missing/incorrect dependencies in Step 3; this is the numerator (X) in the test metric calculation.
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:

Rev Number	*Detailed Description of Change*	*Sections Affected*	*Spec Sheet Date*
v1.0	Initial CCB		12/02/2015
v2.0	CCB - validated		8/16/2016
v2.1	Integration – updated data elements		9/13/2016
v3.0	No changes – updated to 3.0		3/23/2017
v3.1	Defining incomplete WPs, PPs, and SLPPs in IMS as no actual finish date, Removed Block 4 (Frequency)		11/28/2018
v3.3	Added “Non-LOE” language, added 2 Data Elements fixed formatting errors		5/24/2019
v3.4	Update: Attribute, Assumptions, and Instructions		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 element 45 to supplement artifact 11. Updated asm 3 to clarify IMS incomplete CA.	8, 9, 10	3/05/2021
v5.0	Added “high” when referencing total float for additional clarity	5, 6, 10	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