

EVMS Test Metric Specification

1. **GUIDELINE NO:**
06

2. **TEST METRIC ID:**
06A209a

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 schedule network constraints limited?

6. **TEST METRIC:**
X = Count of incomplete tasks/activities & milestones with hard constraints
Y = Total count of incomplete tasks/activities & milestones

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

8. **DATA ELEMENTS REQUIRED:**
11 Integrated Master Schedule
 11A Actual Finish Date
 11Q Constraint Type
 11AM Task/Milestone UIDs
20 IPMR/CPR/IPMDAR
45 IMS Data Dictionary

9. **ASSUMPTIONS:**
 1. Hard constraints include constraints that restrict functioning of normal logic early and late dates.
 - a. MS Project: Start No Later Than, Finish No Later Than, Must Start On, and Must Finish On
 - b. Open Plan: Start Fixed Target and Finish Fixed Target
 - c. Primavera: Mandatory Start and Mandatory Finish
 - d. IPMDAR SPD: Start No Later Than, Finish No Later Than, Must Start On, and Must Finish On
 2. Incomplete tasks/activities & milestones equals no actual finish date in the IMS.

10. **INSTRUCTIONS:**
 1. Identify and count all incomplete tasks/activities and milestones in the IMS; this is the denominator (Y) of the test metric.
 2. Identify and count all incomplete tasks/activities and milestones with a hard constraint; this is the numerator (X) of the test 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.
5. For a result above the threshold, determine if there is adequate rationale/justification for the use of hard constraints.

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
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)		11/27/2018
v3.3	Added Data Element		5/24/2019
v3.4	Update Attribute		8/31/2019
v3.5	Update: Assumptions and Instructions		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.	8 & 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	Added hard constraints for IPMDAR SPD	8, 9	08/21/2025