

1/23/2022 12:48:38 PM

# Compare Results

Old File:

**06.03.15 v03.pdf**

**1 page (104 KB)**

1/22/2022 4:19:27 PM

versus

New File:

**B.07.01 - 06.03.15 v04.pdf**

**1 page (130 KB)**

1/23/2022 12:50:02 AM

## Total Changes

21

## Content

12 Replacements

5 Insertions

4 Deletions

## Styling and Annotations

0 Styling

0 Annotations

[Go to First Change \(page 1\)](#)

# DOE EVMS Metric Specification



1. Process Category	2. Metric ID (new, old)	3. Method	4. Frequency
B	B.07.01 (06.03.15) (58)	manual	monthly

## 5. Attribute

Critical Path and Float

## 6. Metric Intent

This metric ensures the network schedule describes the sequence of work (horizontal integration) and clearly identify interdependencies that are indicative of the actual way the work is planned and accomplished at the level of detail to support project longest path development. This metric assesses the adequacy of the FC IMS network logic by simulating a schedule slip using a select number of discrete activities within the current six-month window having a total float value between 10-100 days float. The simulation verifies any changes made to the end milestone and longest path.

## 7. Metric Short Description

FC IMS push test

## 8. Metric

X = FC IMS push test result is not consistent with change.

N/A

9. Max. Threshold	10. Max. Tolerance	11. Weight
0		2.7

## 12. Needed Artifacts and Data Elements

X artifact(s)  
xer FC

## 13. Assumptions

## 14. Instructions

Conduct the following manual operation(s).

- Push Test
  1. Constrain CD-4 activity (or activity at end of project) to "Finish On or Before."
  2. Choose a discrete activity within the current 6 month window that is discrete and between 10 to 100 days total float and not on longest path.
  3. Add 500 day duration to the selected activity.
  4. Reschedule the project.
  5. Verify the results.
    - a. The total float of the stasured activities are now prior minus 500 days.
    - b. The change to the end milestone which should be negative by the same amount as 5a.
    - c. The negative float toal is reasonable - that the longest path changed and the right activities were impacted.
    - d. LOE did not become a longest path activity.
  6. Select another activity in a different WBS and repeat the test.

Determine if X or X/Y exceeds the threshold.

## 15. Reference(s)

Page 11, Intent: "The scheduling process establishes an integrated master schedule (IMS) that is the logical sequence of all authorized discrete work that leads through all key milestones, events, or decision points required to ensure completion of the project's objectives."

Page 12, Typical Attribute(s): "The schedule describes the sequence of work and should consider the significant interdependencies that are indicative of the actual way the work is to be accomplished..."

Page 12, Typical Attribute(s): "Significant interdependencies should be defined at a consistent level of detail to support development of a critical path... The schedule should be designed for effective integrated program management purposes and contain a critical path for the entire contractual period of performance."

Page 12, Typical Attribute(s): "The schedule network relationships support the development of a critical path for development projects."

## 16. Revision Block

rev. no.	description of change and sections affected	date prepared	prepared by	date approved	approved by
V04.00	Updated for release. See track changes.	2022-01-21	PM-30	2022-01-21	Melvin Frank
V03.00	Updated for release. See itemized revision list.	2020-02-10	PM-30	2020-02-10	Melvin Frank
V02.00	Updated for release. Sections 7 and 13.	2019-07-31	PM-30	2019-07-31	Melvin Frank
V01.01	Updated through 2019-03-13. Minor corrections.	2019-03-13	PM-30	2019-03-14	Melvin Frank
V01.00	Updated for release. All.	2019-01-31	PM-30	2019-01-31	Melvin Frank