

1/23/2022 12:40:54 PM

Compare Results

Old File:

06.07.05 v03.pdf

2 pages (106 KB)

1/22/2022 4:26:29 PM

versus

New File:

B.07.07 - 06.07.05 v04.pdf

2 pages (131 KB)

1/23/2022 12:51:51 AM

Total Changes

23

Content

11 Replacements
8 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.07.07 (06.07.05) (64)	automated	monthly

5. Attribute

Critical Path and Float

6. Metric Intent

This metric ensures that incomplete discrete activities and milestones do not have more than 15 predecessor activities in the project FC IMS. A merge hotspot is an indication as to how complex the start of an activity is, and if the number of links is > 15, there is a high probability that the activity in question is associated with the wrong predecessor, and/or the activity will be delayed due to the cumulative effect of all links having to complete on time in order for the activity to start on time.

7. Metric Short Description

BL IMS with > 15 predecessors

8. Metric

X = Number of incomplete activities (excludes summaries, SMs, SVTs, ZBAs, and EVT LOEs) in the BL IMS, with > 15 predecessor activities.

Y = Number of incomplete activities (excludes summaries, SMs, SVTs, ZBAs, and EVT LOEs) in the BL IMS.

9. Max. Threshold	10. Max. Tolerance	11. Weight
5.0%		2.7

12. Needed Artifacts and Data Elements

Y artifact(s)

FF04_{schedule}
FF01_{WBS}

X artifact(s)

FF05_{schedule_logic}

FF data elements

FF04_{schedule}_{[B]}_CPP_status_date
FF04_{schedule}_{[C]}_schedule_type
FF04_{schedule}_{[D]}_task_ID
FF04_{schedule}_{[E]}_task_type
FF04_{schedule}_{[K]}_EV_method
FF04_{schedule}_{[T]}_AS_date
FF04_{schedule}_{[U]}_AF_date
FF05_{schedule_logic}_{[C]}_schedule_type
FF05_{schedule_logic}_{[E]}_predecessor_ID

13. Assumptions

14. Instructions

Determine Y items based on the following.

Count FF04_{schedule}_{[D]}_task_ID items and, if identified, with the following characteristics.

- FF04_{schedule}_{[C]}_schedule_type = BL
- FF04_{schedule}_{[E]}_task_type = A or M
- IF FF04_{schedule}_{[D]}_task_ID IS IN FF04_{schedule}_{[C]}_schedule_type = FC
FROM FF04_{schedule}_{[C]}_schedule_type = FC
IF FF04_{schedule}_{[E]}_task_type = M THEN FF04_{schedule}_{[U]}_AF_date = null AND FF04_{schedule}_{[T]}_AS_date = null
OR
IF FF04_{schedule}_{[E]}_task_type <> M THEN FF04_{schedule}_{[U]}_AF_date = null
IF FF04_{schedule}_{[D]}_task_ID IS NOT IN FF04_{schedule}_{[C]}_schedule_type = FC
FROM FF04_{schedule}_{[C]}_schedule_type = BL
IF FF04_{schedule}_{[E]}_task_type = M THEN FF04_{schedule}_{[B]}_CPP_status_date < FF04_{schedule}_{[M]}_EF_date OR
FF04_{schedule}_{[B]}_CPP_status_date < FF04_{schedule}_{[L]}_ES_date
OR
IF FF04_{schedule}_{[E]}_task_type <> M THEN FF04_{schedule}_{[B]}_CPP_status_date < FF04_{schedule}_{[M]}_EF_date
- FF04_{schedule}_{[K]}_EV_method <> LOE

Determine X items, a subset of Y, based on the following.

Identify FF05_{schedule_logic}_{[E]}_predecessor_ID and, if identified, with the following characteristics.

- FF05_{schedule_logic}_{[C]}_schedule_type = BL
- Count flagged items based on the following operation(s).
- FF05_{schedule_logic}_{[E]}_predecessor_ID >15

Determine if X or X/Y exceeds the threshold.

15. Reference(s)

Page 11, Intent: "While no specific scheduling software is required, there must be horizontal and vertical integration of the schedule through the framework of the WBS and OBS."

Page 12, Typical Attribute(s): "...The schedule links key detail work packages and planning packages (or lower-level tasks/activities) with summary activities and milestones."

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. Re-ID'ed from 06.07.06 to 06.07.05.	2020-02-10	PM-30	2020-02-10	Melvin Frank
V02.00	Updated for release. Sections 12 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