

SSI Tools Test Method for DECM 06A505b

Do all complete tasks/activities have actual finish dates?

SSI Tools inspects Work Packages having Physical % Complete =100 and no Actual Finish date (Actual Finish = “NA”)

Setup Instructions using SSI *DECM Audits* form

No setup is required for this test other than the normal scheduling practice of posting valid status and entering Earned Value performance in Physical % Complete.

5. Attribute: 06A5: The schedule provides baseline, forecast, and actual dates.

6. Test Step: Do all in completed tasks/activities have actual finish dates?

7. Test Metric:

X = Count of in progress tasks/activities with no actual start date

Y = Total count of in progress tasks/activities

8. Metric Threshold: $X/Y \leq 5\%$

10. Data Elements Required:

11 Integrated Master Schedule

11C Actual Start Date

11T EV % Complete

11. Assumptions:

1. An activity is considered “complete” if EV percent complete = 100%.
2. EV percent complete is available at the activity level.
3. If the EV percent complete field is not available in the IMS, use the EV cost tool data to obtain the EV percent complete information for each in progress activity. If the work package level is at the summary level in the IMS, compare the EV percent complete at the IMS summary level to the EV cost tool data.
4. The scheduling software tool has both an actual start and an actual finish date for a milestone; if this is not the case, adjust the methodology accordingly.

SSI Report

SSI Report shows the following headers referring to the DCMA EVMS Test Metric Specification

- Metric ID – Block 2 **Unique Test Metric ID**
- Name – Block 6 **Test Step**
- Metric Threshold – Block 8 **Metric Threshold**
- Numerator (X) – Block 8 **Metric Threshold X Value**
- Denominator (Y) – Block 8 **Metric Threshold Y Value**
- Score – Block 8 **Metric Threshold X/Y Value**
- Pass/Fail – Block 8 **Metric Threshold X/Y Pass/Fail determination**
- Metric Spec Link – Link to the **EVMS Test Metric Specification**
- SSI Test Link – Link to SSI Test method and description (this document)

SSI Report shows the following Details:

- **Unique ID** – Task Unique ID in Microsoft Project
- **Name** – Task Name in Microsoft Project
- **Actual Start / Actual Finish** - the inspected task's Actual start and finish
- **EvPctCmp** – The earned value percent complete in Physical % Complete

Report Example

A	B	C	D	E	F	G	H	I
Metric ID	Name	Metric Threshold	Numerator (X)	Denominator (Y)	Score	Pass/Fail	Metric Spec Link	SSI Test Link
06A505b	Do all complete tasks/activities have actual finish dates?	5%	1	28	4%	Pass	DECM Spec	SSI Spec
Unique ID	Name	ActualStart	ActualFinish	EvPctCmp				
71	Generate Presentation Materials for Critical Design Review (CDR)	05/17/2019		100				