

SSI Tools Test Method for DECM 06A209a

SSI Tools inspects each incomplete task and milestone for hard constraints (Must Start/Finish on, Start/Finish no later than). The Schedule will pass this test 0% of inspected item have a hard constraint.

Setup Instructions using SSI *DECM Audits* form

No setup is required for this test other than the normal scheduling practice of allowing each task's schedule to be determined by its duration and its predecessors rather than hard dates.

DCMA EVMS Test Metric Specification

5. Attribute: 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.

6. Test Step:

Are schedule network constraints limited?

7. Test Metric:

X = Count of incomplete tasks/activities & milestones with hard constraints

Y = Total count of incomplete tasks/activities & milestones

8. Metric Threshold:

X/Y = 0%

10. Data Elements Required:

11 Integrated Master Schedule

11A Actual Finish Date

11Q Constraint Type

11AM Task/Milestone UIDs

11. 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

2. Incomplete tasks/activities & milestones equals no actual finish date in the IMS.

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
- **HardConstraint** – Condition, or test finding, identified for the task. The count of these tasks is the Numerator in column D.
 - **SNLT = Start no Later Than**
 - **FNLT = Finish no Later Than**
 - **MSO = Must Start On**
 - **MFO = Must Finish On**

Note – Start no Earlier Than (SNET), Finish no Earlier Than (FNET), As Soon as Possible (ASAP) and As Late as Possible (ALAP) are not considered Hard Constraints for this metric

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
06A209a	Are schedule network constraints limited?	0%	3	41	7%	Fail	DECM Spec	SSI Spec
Unique ID	Name	HardConstraint						
60	Generate Presentation Materials for Preliminary Design Review (PDR)	MSO						
114	Procure Materials	MSO						
115	Build Test Articles	MFO						