

SSI Tools Test Method for DECM 06A211a

SSI Tools reports all incomplete, non-LOE tasks and milestones with high float according to the user's high float value on the Saved Settings tab of the SSI DECM form. SSI scores this according to the threshold but does not make a determination regarding acceptable rationale/justification since this can be subjective.

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. The user may, however, change the default value for what is considered "High Float" on the tab named Saved Settings as shown below.

The screenshot shows the 'DECM Audits' window with the 'Saved Settings' tab selected. The window has a title bar with a close button. Below the title bar is a tabbed interface with tabs for 'Introduction', 'Project Fields for EV', 'DECM Audit Batch', 'Earned Value Code Map', 'EV Performance Tools', and 'Saved Settings'. The 'Saved Settings' tab is active, showing a list of settings on the left and a configuration area on the right. The list on the left includes 'SSI Example' and 'DefaultSettings'. The configuration area on the right has two buttons: 'Delete Setting' and 'Save Current Setup'. Below these buttons is a section titled 'User Defined Settings' which contains two input fields: 'High Float is days >' with a value of '44' and 'Start of Next Rolling Wave:' with a date of '11/01/2019'. Hand cursor icons are shown over the 'Delete Setting' button, the 'High Float' input field, and the 'Start of Next Rolling Wave' input field.

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:

Is high float rationale/justification acceptable?

7. Test Metric:

X = Count of total float Non-LOE tasks/activities & milestones sampled with inadequate rationale

Y = Total count of total float Non-LOE tasks/activities & milestones sampled

8. Metric Threshold:

$X/Y \leq 20\%$

10. Data Elements Required:

11 Integrated Master Schedule

11A Actual Finish Date

11U EVT

11X Total Float/Slack

11AD Predecessors

11AJ Successors

11. Assumptions:

1. Test metric is based on a sample of incomplete CAs.
2. With threshold > 0, the MIL-STD-1916 and ANSI/ASQ Z1.4 Zero Based Sampling Plan does not apply. Chosen sampling methodology must be explained. When appropriate, it is acceptable to test the entire population instead of sampling.
3. Incomplete tasks/activities & milestones equals no actual finish date in the IMS.

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
- **Total Float** – the number of working days of total float

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
06A211a	Is high float rationale/justification acceptable?	20%	6	38	16%	Pass	DECM Spec	SSI Spec
Unique ID	Name	TotalFloat						
7	Critical Design Review (CDR)	25.5						
78	Procure & Receive COTS Materials	25.5						