

## SSI Tools Test Method for DECM 06I101b

### Do schedule margin tasks represent risk impact to subsequent significant events/milestones?

SSI Tools inspects tasks identified as Schedule Margin for the following conditions:

- A schedule margin task with an actual start date not equal to its actual finish date – schedule margin should be set to zero once its deliverable has been met.
- A schedule margin task with a non-milestone as its successor. Note - the DECM test method is as follows: a “successor other than a key contractual event, significant logical integration/test milestone, end item deliverable, or contract completion”. Therefore, SSI DECM results may be different than DCMA since the terms “key contractual”, “significant”, “end item” and even “contract completion” may could be subjective and may require additional input to determine.

### Setup Instructions using SSI *DECM Audits* form

1. Enter the identification method for Schedule Margin tasks using the drop-down list named ***Schedule Margin Task Id Method***

The screenshot shows the 'DECM Audits' application window with the 'Project Fields for EV' tab selected. The form is divided into two main sections: 'Fields used for Earned Value Metrics' and 'Name and Location of Accounting Calendar'.

**Fields used for Earned Value Metrics:**

- Control Account(CA) code or id: Text3 (WP Parent)
- Control Account Manager (CAM): Contact
- Control Account Org Breakdown Structure (OBS): Text2 (OBS)
- Control Account Work Breakdown Structure (WBS): WBS
- Work Package (WP) code or Id: Text1 (WP ID)
- Earned Value Technique (EVT) Codes: Text4
- Element of Cost (EOC) Identification: Resource Group

**Name and Location of Accounting Calendar:**

- Calendar Location: C:\Users\Public\SSI\_Tools\TSV\
- Fiscal / Accounting Calendar: TSV\_ExampleAccountingCal.csv

**How are Special Tasks Identified?**

- Level of Effort (LOE) ID Method: Per Earned Value Technique (EVT)
- Planning Package Id Method: Per Earned Value Technique (EVT)
- Schedule Visibility Task (SVT) Id Method: SVT in Name
- Schedule Margin Task Id Method: Schedule Margin in Name

### References from EVMS Test Metric Specification

**5. Intent:** 06: Schedule margin, an optional management method for accommodating schedule contingencies, must be traceable to the risk register and consistently identifiable in the IMS.

**6. Test Step:** Do schedule margin tasks represent risk impact to subsequent significant events/milestones?

**7. Test Metric:** X = Count of schedule margin tasks that do not represent risk impact to subsequent events/milestone

### 10. Data Elements Required:

- 11 Integrated Master Schedule
  - 11A Actual Start Date
  - 11C Actual Finish Date
  - 11E Approved risk mitigation activities
- 1. 11AJ Successors

## 11. Assumptions:

1. Schedule margin tasks exist in the IMS; if no schedule margin tasks exist, skip this metric.

### 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
- **Special Task Type** – shows special task types: “Schedule Margin”, “Schedule Visibility”, “Planning Packages”
- **Special Task Flags** – shows conditions for special task types that should be investigated further to determine pass/fail for the 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            |
| 061101b   | Do schedule margin tasks represent risk impact to subsequent major milestones? | 0%               | 1                                                        | 1               | 100%  | Fail      | <a href="#">DECM Spec</a> | <a href="#">SSI Spec</a> |
| Unique ID | Name                                                                           | SpecialTaskType  | SpecialTaskFlags<br>Has Assignments,<br>W/Task Successor |                 |       |           |                           |                          |
| 113       | Schedule Margin to ATO                                                         | Schedule Margin  |                                                          |                 |       |           |                           |                          |