

SSI Tools Test Method for DECM 10A302b

Have PPs earned performance?

SSI Identifies in-progress Planning Packages

Findings for this test include:

A Task identified as a Planning Package with an Actual Start date

Setup Instructions using SSI *DECM Audits* form

1. Enter the identification method for Planning Packages on the tab named Project Fields for EV
2. Enter the value used to identify a Planning Package on the tab named Earned Value Code Map

Project Fields for EV

The screenshot shows the 'Project Fields for EV' tab of the SSI DECM Audits form. The form has several tabs: Introduction, Project Fields for EV (selected), DECM Audit Batch, Earned Value Code Map, EV Performance Tools, and Saved Settings. The form is divided into two main sections. The left section contains labels for various fields: Control Account(CA) code or id, Control Account Manager (CAM), Control Account Org Breakdown Structure (OBS), Control Account Work Breakdown Structure (WBS), Work Package (WP) code or Id, Earned Value Technique (EVT) Codes, Element of Cost (EOC) Identification, Calendar Location, Fiscal / Accounting Calendar, Level of Effort (LOE) ID Method, Planning Package Id Method, Schedule Visibility Task (SVT) Id Method, and Schedule Margin Task Id Method. The right section contains the corresponding input fields, many of which are dropdown menus. The 'Fields used for Earned Value Metrics' section includes dropdowns for Text3 (WP Parent), Contact, Text2 (OBS), WBS, Text1 (WP ID), Text4 (EVM), and Resource Group. The 'Name and Location of Accounting Calendar' section includes a text field for Calendar Location (C:\Users\Public\SSI_Tools\TSV) and a dropdown for Fiscal / Accounting Calendar (TSV_2019_2024-Fiscal_Cal.csv). The 'How are Special Tasks Identified?' section includes dropdowns for Level of Effort (LOE) ID Method, Planning Package Id Method, Schedule Visibility Task (SVT) Id Method, and Schedule Margin Task Id Method. A mouse cursor is pointing at the 'Text4 (EVM)' dropdown, and another mouse cursor is pointing at a button with three dots next to it.

Field	Value
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 (EVM)
Element of Cost (EOC) Identification:	Resource Group
Calendar Location:	C:\Users\Public\SSI_Tools\TSV
Fiscal / Accounting Calendar:	TSV_2019_2024-Fiscal_Cal.csv
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

Earned Value Code Map

The screenshot shows the 'Earned Value Code Map' tab of the SSI DECM Audits form. The form has a single text input field labeled 'What value is used to identify a Planning Package?'. The input field contains the text 'PP'.

Field	Value
What value is used to identify a Planning Package?	PP

In this example the user is identifying Planning Packages according to the EVT which is in Text4 per the setup value for Earned Value Technique (EVT) Codes. The EVT code used for a Planning Package is “PP” according to the settings on the tab named Earned Value Code Map

References from EVMS Test Metric Specification

5. Attribute:

10A3: Planning packages have the following characteristics:

- Are the logical aggregations of work within a control account, normally the far-term effort that can be identified, budgeted, and time-phased in baseline planning, but cannot yet be detail planned into work packages.
- Are identified within the Integrated Master Schedule (IMS) and other supporting schedules.

6. Test Step:

Have PPs earned performance?
7. Test Metric: X = Count of PPs with BCWP _{CUM} Y = Total count of PPs
8. Metric Threshold: $X/Y \leq 2\%$
10. Data Elements Required: 13 EV Cost Tool Data 13Q BCWP _{CUM} 13BA WP/PP/SLPP UUIDs

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 – Shows the Actual Start date of the Planning Package

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
10A302b	Have PPs earned performance?	2%	1	1	100%	Fail	DECM Spec	SSI Spec
Unique ID	Name	ActualStart						
77	Develop System Acceptance Test Procedures	04/23/2019						