

SSI Tools Test Method for DECM 10A202a

Material is segregated from other non-material direct elements of cost within work packages

SSI Identifies Work Packages (WPs) with material and non-material assignment Element of Cost (EOC)
Findings for this test include:

- A WP with more than one EOC

Setup Instructions using SSI *DECM Audits* form

1. Identify the project task field used for Work Package (WP)
2. Identify the Project Resource field used to identify Element of Cost (EOC)
3. Verify that the EOC (per step 2 above) for material assignments uses the case sensitive key word “Material” – see the example resource table below.

The example above uses Resource Group to identify the Material EOC, therefore, the text “Material” must exist in the group column for Material. Note – the text Material is case sensitive.

Figure 1 - Element of Cost in Resource Table using Group per user’s selection above

Resource Name	Group	Type	N
SW Engineer	Labor	Work	
Systems Engineer	Labor	Work	
Security Engineer	Labor	Work	
Material	Material	Material	

References from EVMS Test Metric Specification

5. Attribute:

10A2: Other work package planning requirements include:

- Material is segregated from other elements of cost, planned in support of the need dates for the material items, and time-phased by dollar amount suitable for the type of material category.
- Establishment of EVTs for material are consistent with the manner in which material is planned.
- Subcontract effort is identified (as applicable) and time-phased consistent with subcontractor baseline plans.

6. Test Step: Is material segregated from other non-material direct elements of cost within work packages?

7. Test Metric:

X = Count of incomplete material WPs that contain a second non-material direct element of cost.

8. Metric Threshold: X= 0

10. Data Elements Required:

13 EV Cost Tool Data

13H BAC
13Q BCWPCUM
13AJ Element of Cost
13AK Element of Cost (Material) 11C Actual Finish Date
11D Actual Finish Date (Prior Month)
11AM Task/Milestone UIDs

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
- **EOC** – Shows Material and the other EOC that triggered the report finding

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
10A202a	Is material segregated from other elements of cost within work packages?	0%	1	1	100%	Fail	DECM Spec	SSI Spec
Unique ID	Name	EOC Mixed: Labor,Material						
81	Perform Module Testing							