



Angie Barkey
Raytheon Technologies
Angela_C_Barkey@Raytheon.com



Cathy McCain Bell, Textron cmccain@bellflight.com



Discussion Recap of Committee Meeting

- DCMA released the DECM Test Metrics v5.0 on 12/13/2021
- Co-Chairs of this Committee sent out supplemental outputs before Christmas break and additional Impact Analysis on DECM Test Metrics v5.0 to NDIA Health Metric Committee members after first of the year
- DECM Test Metric v5.0 remains at 142 test metrics
- 31 Test Metric documents changed consisting of 70 document section changes across the 31 test metrics
- NDIA IPMD Health Metrics Committee submitted 4 test metric change proposals resulting in 3 Fully Approved and 1 Partially Approved by DCMA in their October 2021 CCB



October 2021 DCMA CCB

Version 5.0 Test Metric Change Summary					
Version 4.0 Test Metric Count	142				
Less Version 5.0 Deleted Test Metrics	0				
Add Version 5.0 New Test Metrics	0				
Total Version 5.0 Test Metrics	142				
Changed Version 5.0 Test Metric Documents	31				
No Change Version 5.0 Test Metric Documents	111				
Total Version 5.0 Test Metrics	142				
Version 5.0 EVMS Focus Area Cour	nts				
Organization	18				
Planning, Scheduling, & Budgeting	53				
Accounting	22				
Analysis & Management Reporting	23				
Revisions & Data Maintenance	26				
Total Test Metrics	142				

Version 5.0 Test Metric Change Summary					
Assumptions	17				
Attribute/Intent	2				
Data Element Required	11				
Instructions	20				
Test Definition	4				
Test Metric	14				
Test Type	0				
Threshold	2				
Total Changes	70				



October 2021 DCMA CCB

	DECM Test Metrics Version 5.0								
Guideline No.	Guideline Description	Metric Count	Guideline No.	Guideline Description	Metric Count				
01	Define the Work Breakdown Structure (WBS)	2	16	Record Direct Costs	7				
02	Define Program Organizational Breakdown Structure (OBS)	2	17	Summarize Direct Costs by WBS Elements	1				
03	Integrate Subsidiary Management Processes	10	18	Summarize Direct Cost by OBS Elements	1				
04	Identify Overhead Management	1	19	Record / Allocate Indirect Costs	3				
05	Integrate WBS/OBS to Create Control Accounts	3	20	Identify Units and Costs	2				
	Organization	18	21	Track and Report Material Costs / Quantities	8				
06	Scheduling Work	23		Accounting Considerations	22				
07	Identify Products and Milestones for Progress Assessment	1	22	Calculate Schedule Variance and Cost Variance	2				
08	Establish the Performance Measurement Baseline (PMB)	5	23	Analyze Significant Variances	4				
09	Authorize and Budget by Cost Element	3	24	Analyze Indirect Cost Variances	1				
10	Determine Discrete Work and Objective Measures Sum Work Packages and Planning Package Budgets to the Control	9	25	Summarize Performance Data and Variances for Management Reporting	2				
11	Account Budget	1	26	Implement Corrective Actions	2				
12	Level of Effort (LOE) Planning and Control	5	27	Maintain Estimate at Completion	12				
13	Establish Overhead Budgets	1		Analysis and Management Reporting	23				
14	Identify Management Reserves and Undistributed Budgets	4	28	Incorporate Changes in a Timely Manner	2				
15	Reconcile to Target Costs	1	29	Maintain Baseline and Reconcile Budgets	16				
	Planning, Scheduling, and Budgeting	53	30	Control Retroactive Changes	3				
			31	Prevent Unauthorized Revisions	1				
	Grand Total of DECM Test Metrics	142	32	Document Performance Measurement Baseline (PMB) Changes	4				
				Revisions and Data Maintenance	26				



Past DCMA CCBs (Version 3.1 through Version 5.0)

DECM Version Published Year	2018	2019			20	20	2021	2022	
	DECM v3.1	DECM v3.2	DECM v3.3	DECM v3.4	DECM v3.5/3.5.1	DECM v3.6/3.6.1	DECM v4.0	DECM v5.0	
EVMS Focus Area	Test Metric Count								
Organizing	18	18	18	18	18	18	18	18	
Planning, Scheduling, and Budgeting	52	55	58	56	54	54	53	53	
Accounting	20	22	22	22	22	22	22	22	
Analysis and Management Reporting	20	22	23	23	22	23	23	23	
Revisions and Data Maintenance	21	22	22	22	22	26	26	26	
Grand Total	131	139	143	141	138	143	142	142	
Change from Version 3.1		8	12	10	7	12	11	11	
Change from Version 3.2			4	2	-1	4	3	3	
Change from Version 3.3				-2	-5	0	-1	-1	
Change from Version 3.4					-3	2	1	1	
Change from Version 3.5/3.5.1						5	4	4	
Change from Version 3.6/3.6.1							-1	-1	
Change from Version 4.0								0	

NDIA IPMD Health Metrics Committee DCMA CCB's Supported by Committee



Test Metrics & Test Metric Document Changes	Version 3.6 DCMA CCB July 2020	Version 3.6.1 DCMA CCB October 2020	Version 4.0 DCMA CCB January 2021	Version 5.0 DCMA CCB October 2021		
Previous Test Metric Version Metric Count	138	143	143	142		
Changed New Version Test Metric Documents	33	24	142	31		
Unchanged New Version Test Metric Documents	105	119	0	111		
Added New Version Test Metric Documents	5	0	0	0		
Deleted New Version Test Metric Documents	0	0	-1	0		
New Test Metric Version Metric Count	143	143	142	142		
	Version 3.6	Version 3.6.1	Version 4.0	Version 5.0		
Access to the same of the same	DCMA CCB	DCMA CCB	DCMA CCB	DCMA CCB		
Test Metric Document Block Changes	July 2020	October 2020	January 2021	October 2021		
Assumptions	22	21	86	17		
Instructions	14	16	141	20		
Test Step ==> Test Definition	2	6	17	4		
Test Type	0	0	2	0		
Threshold	0	0	1	2		
Attribute ==> Attribute/Intent Definition	0	0	7	2		
Test Metric	11	7	27	14		
Data Elements Required	8	13	111	11		
Total Metric Block Changes	57	63	392	70		
DCMA CCB v4.0 Had an EVMS Metric Specification Template Change						



DCMA CCB's Supported by Committee

	Version 3.6	Version 3.6.1	Version 4.0	Version 5.0
	DCMA CCB	DCMA CCB	DCMA CCB	DCMA CCB
NDIA IPMD Test Metric Proposal Changes	July 2020	October 2020	January 2021	October 2021
Submitted Test Metric Change Proposals	36	0	14	6
Withdrawn Test Metric Change Proposals	-1	0	0	-1
Disapproved Test Metric Change Proposals	-1	0	0	-1
Approved Test Metric Change Proposals Sent to DCMA	34	0	14	4
Fully Approved NDIA IPMD Test Metric Change Proposals	7	0	1	3
Partially Approved NDIA IPMD Test Metric Change Proposals	2	0	6	1
Not Approved NDIA IPMD Test Metric Change Proposals	25	0	4	0
Test Metric Deleted in DCMA CCB	0	0	1	0
Not Approved that Should Have Been Partially Approved	0	0	2	0
Total NDIA IPMD Test Metric Change Proposals Submitted to DCMA CCB	34	0	14	4

DCMA CCB for v3.6.1 was a an "Out of Sequence" CCB established to catch oversights made by DCMA in v3.6

NDIA IPMD Health Metrics Committee NDIA IPMD DECM Test Metric v5.0 Submittal Results



10							St	tatu	s				
DCMA CCB Support	Date Submitted to DECM Committee	Revision DECM Metric Chg ID	Test Metric IE	Test Metric Description	Date Reviewed Rv Committee	→ hdrawn	→ Approved	+ Iroved	phoodd		DCMA Submitted D	NDIA IPMD's Assessment of DCMA Approval Outcome	DCMA CCB Response
				·								Administrative change since this DECM	·
				In Progress task/activities & milestones								Test Metric should have been approved in	
October 2021	8/10/2021	CCB1021-01	06A505a	with no actual start date	8/26/2021			X		8/26/2021	10/11/2021	Jan 2021 DCMA CCB	Approved at CCB and implemented in v5.0
				Considered to the state of the								Administrative change since this DECM	
October 2021	8/10/2021	CCB1021-02	06A505b	Completed task/activities & milestones with no actual finish date	8/26/2021			v		8/26/2021	10/11/2021	Test Metric should have been approved in Jan 2021 DCMA CCB	Approved at CCB and implemented in v5.0
October 2021	8/9/2021	CCB1021-03	06A401a	Schedule tool produce CPM that represents the longest total duration with least amount of float	8/26/2021				x	8/26/2021	10/11/2021	The test metric got sumitted to evaluate the method being used by the Contractor to generate a valid critical path, per their System Description instead of always using the Constraint method. This test metric got submitted to change high float to high total float or total float	Change Request was partially approved. Though sole use of contractor's method to generate CP was not approved, instruction step 2 was modified to include consulting with contractor to determine appropriateness of selected task/activity. Ultimately, DCMA wants to retain a single method for CP identification and cover the constraint method's gaps in training. The CCB Board also approved the proposed check to go both ways regarding tasks on contractor's CP that are not on DCMA CP.
October 2021	8/26/2021	CCB1021-04	06A211a	Hight float rational acceptable	9/23/2021			X		9/23/2021	10/11/2021	to high total float in the Test Metric Definition & Test Metric sections. The filter criterial in the instructions was also changed for clarity purposes	Approved at CCB and implemented in v5.0

DECM Test Metric Proposal Sumittal Results Summary									
Result	Result Count % of Total								
Fully Approved	3	75%							
Partially Approved	1	25%							
Not Appproved	0	0%							



Surveillance Review Database Collection

- DCMA has completed their database collection of Surveillance Review data for FY 19 and FY 20
 - Data collected will be used for trending and prioritization of test metrics
 - Data should indicate which guidelines/test metrics are high risk vs low risk
 - Data should supplement the test prioritization effort being considered
 - Help determine future DECM Test Metric Change Proposals to submit in CCBs
- DCMA has agreed to share the database collection of Surveillance Review data for FY 19 and FY 20 with this committee once the data has been sanitized to not include contractor visibility
- Government & NDIA Health Metrics Committee co chairs will be jointly working with DCMA on the analysis of this data and a "go forward plan" pertaining to DECM Test Metrics



- 01A201a Are contract work scope (SOW) requirements included in the WBS?
 - Added assumption zero based sampling
- 04A101a Has an organizational authority been established for indirect cost management?
 - Deleted data elements CAS Disclosure Statement and Letter of Accounting System Approval from ACO
 - Deleted assumptions on deleted data elements
 - Changed instructions to remove reference to the deleted data element
- 06A101a Are all WP/PPs/SLPPs in both the cost system and the IMS?
 - Changed assumption to add reference to material, PPs and SLPPs GL attributes



- 06A211a Is high total float rationale/justification acceptable?
 - Changed the definition of x from "Total Float" to "High Total Float"
 - Changed the definition of y from "Total Float" to "High Total Float"
 - Changed instructions from "filter" to "identify tasks with high float"
- 06A301a Are detail (MRP, subcontractor) schedules traceable to the IMS?
 - Added data elements Lower Level/Supplemental Schedules baseline finish dates, baseline start dates, forecast finish dates, forecast start dates
 - Added assumption If the MRP/ERP system does not contain Baseline Dates, then the process for establishing Baseline Dates based on planned need dates should be demonstrated.
 - Changed the instructions to refer to the added MRP/ERP baseline dates assumption
- 06A401a Does the schedule tool produce a critical path that represents the longest total duration with the least amount of total float?
 - Changed assumptions and instructions to replace "obtaining the end point activity from the contractor" to "use the contract end date or the latest discrete activity".

DECM Test Metrics v5.0 Impact Changes



- 06A505a Do all in progress tasks/activities and milestones have actual start dates
 - Added assumption Excludes summary tasks
- 06A505b Do all completed tasks/activities and milestones have actual finish dates
 - Added assumption Excludes summary tasks
- 07A102b Is the IMP traceable to the IMS?
 - Added assumption metric is not applicable if an IMP is not required on the program
- 08A101a Is the time-phased PMB in alignment with the IMS?
 - Added data element EVT



- 10A109b Does each WP/PP/SLPPs have an assigned budget?
 - Changed assumption to add reference to PPs and SLPP GL attributes
- 10A201a Are EVTs for material consistent with the manner in which material is planned and performance claimed?
 - Changed assumption to add reference to material, PPs and SLPPs GL attributes
- 10A303a Do all PPs have duration?
 - Added data element Planning Level Code, in case planning package is not identified as an EVT
 - Changed assumptions and instructions to include Planning Level Code
- 12A201a Are LOE WPs separately evaluated from non-LOE WPs within the same control account?
 - Changed definition of X from "discrete" to "non-LOE"
 - Changed definition of Y from "discrete" to "non-LOE"
 - Changed assumptions and instructions from "discrete" to "non-LOE"

DECM Test Metrics v5.0 Impact Changes



- 16A501a Is Non-Material ACWP being recorded without BCWP?
 - Changed the definition of X where BCWPcur ≤ 0 to BCWPcur = 0
 - Added assumption to define "complete"
- 16A501b Is Non-Material BCWP being recorded without ACWP?
 - Changed the definition of X where ACWPcur ≤ 0 to ACWPcur = 0
 - Added assumption to define "complete"
- 16A501c Is Non-Material ACWP being recorded without BCWP?
 - Changed the definition of X where BCWPcum ≤ 0 to BCWPcum = 0
 - Added assumption to define "complete"
- 16A501d Is Non-Material BCWP being recorded without ACWP?
 - Changed the definition of X where ACWPcum ≤ 0 to ACWPcum = 0
 - Added assumption to define "complete"





- 19A101b Are the bases and rates for allocating costs from each indirect pool consistently applied?
 - Added assumption for zero based sampling
- 21A302a Is material ACWP being recorded without BCWP?
 - Changed the definition of X Non-LOE BCWPcur ≤ 0 to Non-LOE BCWPcur = 0
 - Added assumption to define "complete"
- 21A302b Is material BCWP being recorded without ACWP?
 - Changed the definition of X Non-LOE ACWPcur ≤ 0 to Non-LOE ACWPcur = 0
 - Added assumption to define "complete"
- 21A302c Is material ACWP being recorded without BCWP?
 - Changed the definition of X where Non-LOE BCWPcum ≤ 0 to Non-LOE BCWPcum = 0
 - Added assumption to define "complete"

DECM Test Metrics v5.0 Impact Changes



- 21A302d Is material BCWP being recorded without ACWP?
 - Changed the definition of X where Non-LOE ACWPcum ≤ 0 to Non-LOE ACWPcum = 0
 - Added assumption to define "complete"
- 21A401a Are material EVTs implemented per the contractor's procedures?
 - Changed threshold from "X ≤ 10%" to "X = 0"
 - Changed the definition of X to add where not implemented per the contractor's procedures
 - Changed the definition of Y "high value/critical material" to "LOE, PERT, Apportioned or blank EVT material WPs"
 - Revised assumptions and instructions to target specific material types
- 21A601a Does the contractor have the ability to account for all material purchased?
 - Added data element BOM
 - Changed assumptions and instructions to require metric with or without current MMAS approval

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- 23A201a Are Rate & Volume (Labor) and Price & Usage (Material) Variance formulas correctly applied at the control account level?
 - Added attribute 23A1: Schedule and cost variances are identified and analyzed at control account and summary level.
- 27A102a Are time-phased estimates to complete aligned with the remaining tasks in the integrated master schedule?
 - Add data elements IMS status date and EVT
 - Changed assumptions to include definition of "complete" for LOE work packages
- 27A102b Are time-phased estimates to complete aligned with the remaining tasks in the integrated master schedule?
 - Add data elements IMS status date and EVT
 - Changed assumptions to include definition of "complete" for LOE work packages



- 27I101a Are ETCs generated for WPs/PPs/SLPPs?
 - Added data element EVT
- 29A401a Are there changes to open WPs?
 - Changed threshold from "X ≤ 5%" to "X = 0"
 - Changed definition of X from "BAC" to "count"
 - Changed instructions from "BAC" to "count"