

DCMA Schedule Analyzer forProject™

Simple DCMA 14-Point Assessment and Schedule Health Checks for Microsoft® Project



forProject
forProject Technology, Inc.

VERSION 4.0

DCMA Schedule Analyzer forProject offers:

- Simple, one-click access to all 14 DCMA metrics
- Over 70 additional counts and metrics to check and improve schedule quality
- Visual indicators and filters to quickly isolate problems
- Export to Excel for reporting and communication
- Built-in XML export for IPMR Format 6 (IMS) in UN/CEFACT XML format

Simple add-in to Microsoft Project enables users to quickly identify and correct potential schedule problems and meet contract requirements.

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The Defense Contract Management Agency (DCMA) has developed a 14-point schedule assessment methodology that is intended to highlight potential schedule problems. This analysis is required on many US government contracts with an Earned Value Management (EVM) requirement.

The DCMA 14-point analysis is being widely adopted as a scheduling best practice across a variety of industries. However, performing the analysis can be a time-consuming and difficult process for even experienced schedulers.

The screenshot shows the DCMA Schedule Analyzer forProject application window. The title bar reads "DCMA Schedule Analyzer forProject". The main window displays the project name "ACME Artillery System.mpp" and the status date "4/28/2017". Below this, the completion task is listed as "62 - AAS, Mt Assy W/Shield - MT-62". The interface has three tabs: "DCMA 14-Point Metrics" (selected), "DCMA EVAS Metrics", and "Additional Health Checks". An "Analyze" button is visible in the top right corner. The "DCMA 14 Point Metrics" table is as follows:

Metric	Count	Percentage	Status	Action
01 - Missing Logic	34	1.64 %	Pass	<input type="checkbox"/>
02 - Leads (Negative Lag)	282	9.74 %	Fail	<input type="checkbox"/>
03 - Lags	913	31.55 %	Fail	<input type="checkbox"/>
04 - Relationship Types	283	9.78 %	Pass	<input type="checkbox"/>
05 - Hard Constraints	0	0.00 %	Pass	<input type="checkbox"/>
06 - High Slack	2047	99.03 %	Fail	<input type="checkbox"/>
07 - Negative Slack	1	0.05 %	Fail	<input type="checkbox"/>
08 - High Duration	1519	73.49 %	Fail	<input type="checkbox"/>
09(a) - Invalid Forecast Dates	6	0.29 %	Fail	<input type="checkbox"/>
09(b) - Invalid Actual Dates	0	0.00 %	Pass	<input type="checkbox"/>
10 - Missing Resources	575	27.82 %	Fail	<input type="checkbox"/>
11 - Missed Tasks	2	2.70 %	Pass	<input type="checkbox"/>
12 - Critical Path Test	1		Fail	<input type="checkbox"/>
13 - Critical Path Length Index (CPLI)		1.00	Pass	<input type="checkbox"/>
14 - Baseline Execution Index (BEI)	24	0.73	Fail	<input type="checkbox"/>

At the bottom of the window, there is a "Toggle: Highlight" button, an "Export" button, a "Settings" button, and a "Close" button. A status bar at the very bottom indicates "Critical Path Test failed: 2840 - Phase C Design".

Key Features

- Simple, one-click operation saves time and effort
- Supports all 14 DCMA metrics and additional quality metrics
- Built-in filters allow quick isolation of problem areas
- Integrated Help explains each DCMA metric
- Export results to Excel for reporting and communication
- Built-in **IPMR Format 6** export using UN/CEFACT XML schemas

New in v4.0

- Over **70 additional schedule health metrics** and counts, including **20 DCMA EVAS** metrics
- Support for **Schedule Visibility Tasks (SVTs)** and **Schedule Margin** tasks in accordance with latest DCMA, NDIA and GAO best practices and guidelines
- **Configurable thresholds** for additional health metrics

DCMA 14-Point Metrics	DCMA EVAS Metrics	Additional Health Checks			^ All
^ Logic Analysis					
Missing Predecessors	32	11.27 %	✘	<input type="checkbox"/>	
Missing Successors	44	15.49 %	✘	<input type="checkbox"/>	
Missing Predecessor or Successor	64	22.54 %	✘	<input type="checkbox"/>	
Missing Predecessor and Successor	12	4.23 %	✓	<input type="checkbox"/>	
Dangling Start	22	7.75 %	✘	<input type="checkbox"/>	
Dangling Finish	15	5.28 %	✘	<input type="checkbox"/>	
Lags	11	1.94 %	✓	<input type="checkbox"/>	
Leads (Negative Lags)	11	1.94 %	✓	<input type="checkbox"/>	
External Relationships	4	0.71 %		<input type="checkbox"/>	
Summary Tasks with Logic	4	8.16 %	✘	<input type="checkbox"/>	
LOE Task with Discrete Successor	4	17.39 %	✘	<input type="checkbox"/>	
Excessive Predecessors	2	0.70 %	✘	<input type="checkbox"/>	
Excessive Successors	3	1.06 %	✘	<input type="checkbox"/>	
Average Predecessors per Task	2.00			<input type="checkbox"/>	
^ Constraints & Deadlines					
Total Soft Constraints	247	86.97 %		<input type="checkbox"/>	
- As Soon As Possible (ASAP)	234	82.39 %		<input type="checkbox"/>	
- As Late As Possible (ALAP)	3	1.06 %		<input type="checkbox"/>	
- Start No Earlier Than (SNET)	4	1.41 %		<input type="checkbox"/>	
- Finish No Earlier Than (FNET)	6	2.11 %		<input type="checkbox"/>	
Total Hard Constraints	37	13.03 %	■	<input type="checkbox"/>	
- Must Start On (MSO)	11	3.87 %	■	<input type="checkbox"/>	
- Must Finish On (MFO)	11	3.87 %	■	<input type="checkbox"/>	
- Start No Later Than (SNLT)	8	2.82 %	■	<input type="checkbox"/>	
- Finish No Later Than (FNLT)	7	2.46 %	■	<input type="checkbox"/>	
Manually Scheduled Tasks	4	1.41 %	✓	<input type="checkbox"/>	
Constraint Violations	6	1.60 %	✘	<input type="checkbox"/>	
Deadlines	7	2.46 %		<input type="checkbox"/>	

Compatibility

- *Microsoft Project 2010, 2013 and 2016 (or later) - both Standard and Professional editions*
- *Support for Project Server 2010, 2013 and 2016 (or later) and Project Online*
- *Windows 7, 8 or 10 (or later) - both 32-bit and 64-bit support*
- *Microsoft Excel 2010, 2013 and 2016 (or later)*

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