

# Schedule Quality and Logic Analysis

## For Microsoft Project **only \$79**

Barbecana's Schedule Inspector analyzes project schedules based on best practice metrics and quickly highlights potential issues.

Schedule Inspector(tm) C:\Users\jowen\Documents\Barbecana\Demo Data\Full Monte\New Product Develo... Monday, February 17, 2014

Condition	Select	Threshold	Exclude*	Goal	Result	
1 Slack exceeds threshold (DCMA me...	<input checked="" type="checkbox"/>	44 days	CLSM	< 5%	5.88% (5 out of 85 tasks)	Detail ...
2 No baseline start or finish date (Excl...	<input checked="" type="checkbox"/>			= 0%	1.87% (2 out of 107 tasks)	Detail ...
3 Baseline execution index (DCMA me...	<input checked="" type="checkbox"/>		LSM	> 0.95	0.00 (0 over 1 tasks)	Detail ...
4 Critical path test (DCMA metric # 12...	<input checked="" type="checkbox"/>	120 wks	CSN	= 0%	3.33% (3 out of 90 tasks)	Detail ...
5 No successors (DCMA metric # 1 P...	<input checked="" type="checkbox"/>		CLSM	< 5%	4.71% (4 out of 85 tasks)	Detail ...
6 Finish-Start relationships (DCMA met...	<input checked="" type="checkbox"/>		CLSM	> 90%	91.59% (98 out of 107 relationships)	Detail ...
7 Baseline duration exceeds threshold...	<input checked="" type="checkbox"/>	44 days	CLSM	< 5%	3.53% (3 out of 85 tasks)	Detail ...
8 Invalid forecast date(s) (DCMA metri...	<input checked="" type="checkbox"/>		CLSM	= 0%	0.00% (0 out of 170 dates)	Help
9 No predecessors (DCMA metric # 1 ...	<input checked="" type="checkbox"/>		CLSM	< 5%	0.00% (0 out of 85 tasks)	Help
10 Lags bigger than threshold (DCMA ...	<input checked="" type="checkbox"/>	0	CLSM	< 5%	0.00% (0 out of 107 relationships)	Help
11 Leads bigger than threshold (DCMA ...	<input checked="" type="checkbox"/>	0	CLSM	= 0%	0.00% (0 out of 107 relationships)	Help
12 Hard constraints (DCMA metric # 5)	<input checked="" type="checkbox"/>		CLSM	< 5%	0.00% (0 out of 85 tasks)	Help
13 Summary tasks with relationships (Pr...	<input checked="" type="checkbox"/>			= 0%	0.00% (0 out of 15 tasks)	Help
14 Negative slack exceeds threshold (...)	<input checked="" type="checkbox"/>	0	CLSM	= 0%	0.00% (0 out of 85 tasks)	Help
15 More than threshold number of succ...	<input checked="" type="checkbox"/>	10	CLSM	= 0%	0.00% (0 out of 86 tasks)	Help
16 More than threshold number of pred...	<input checked="" type="checkbox"/>	10	CLSM	= 0%	0.00% (0 out of 86 tasks)	Help
17 Out of sequence progress (Preambl...	<input checked="" type="checkbox"/>		LSM	= 0%	0.00% (0 out of 86 tasks)	Help
18 Critical path length index (DCMA me...	<input checked="" type="checkbox"/>		CS	> 0.95	1.00	Detail ...

\*Exclusion Codes: Complete, LoE, User eXclusion, Milestone, No dependencies, Planning package, Summary. (PP limit is 9/11/2021)

Metrics can be selected and configured as required to meet your needs. Configurable parameters include thresholds, exclusions, and goals.

Detail for test: Critical path test (DCMA metric # 12; adding 120 wks does not delay project finish.)

Critical path test (DCMA metric # 12).

This test is designed to test whether all tasks are properly connected to the effective project completion. Adding a large delay to any task should cause the end date to slip.

The effective finish task is identified on the configuration dialog, and is not necessarily the logical end of the project.

Tasks will fail this test if they are not logical predecessors to the designated

These tasks failed the test.

ID	Name	Slack
10	Develop preliminary investigati...	157.2 wks
11	Evaluate the market	156.2 wks
25	Decision point - go/no-go to d...	147.8 wks

Go to User Guide Filter Highlight Select Flag Field Close

Several pre-configured test selections including those recommended for the DCMA 14pt Assessment, the AACE 57R-09 and CIOB PP21 guides, as well as basic best practice to support Schedule Risk Analysis are included.

Tracing of float paths based on either Total or Free Slack as well as Predecessor/Successor logic can help validate the expected work is driving the schedule.

Trace Float Results

Project: Full Monte Advanced Demonstration.mpp Traced on: 7/12/2021 10:04

Float traced from task: 24 (Project Complete) Total Slack: 0 days

Tracing a maximum of 4 paths.

**Tasks on Path 1 Total Slack: 0 days**

- 24 Project Complete
- 20 Integration Rework
- 19 System Test
- 10 HW Complete
- 9 HW Failure Re-Work
- 8 HW Integrate & Test
- 7 HW Assembly B
- 5 HW Design
- 2 Requirements

**Tasks on Path 2 Total Slack: 1 days**

- 6 HW Assembly A

**Tasks on Path 3 Total Slack: 2 days**

- 17 SW Complete
- 16 SW Failure Re-Work
- 15 SW Code Test
- 13 SW Code A
- 12 SW Design

**Tasks on Path 4 Total Slack: 4 days**

- 14 SW Code B

Close

Trace Logic Results

Project: Full Monte Advanced Demonstration.mpp Traced on: 7/12/2021 10:05

Logic traced from task: 10 (HW Complete)

**Predecessors**

- 10 HW Complete
- 8 HW Integrate & Test
- 6 HW Assembly A
- 5 HW Design
- 2 Requirements
- 7 HW Assembly B
- 9 HW Failure Re-Work

**Successors**

- 10 HW Complete
- 19 System Test
- 20 Integration Rework
- 24 Project Complete
- 25 Schedule Margin
- 26 Committed Delivery

Close

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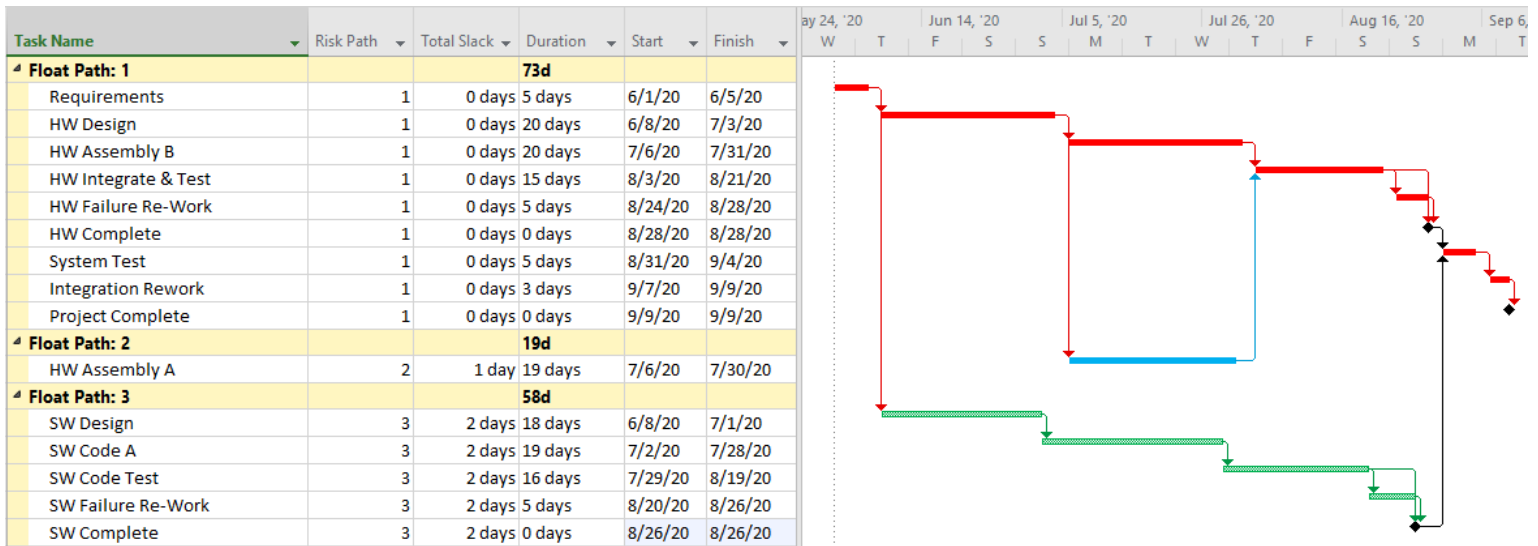
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Test results can be exported to CSV file to simplify follow-up along with options to highlight/filter tasks in Project. Float and Logic trace results can be saved to Project to share information and produce custom charts.

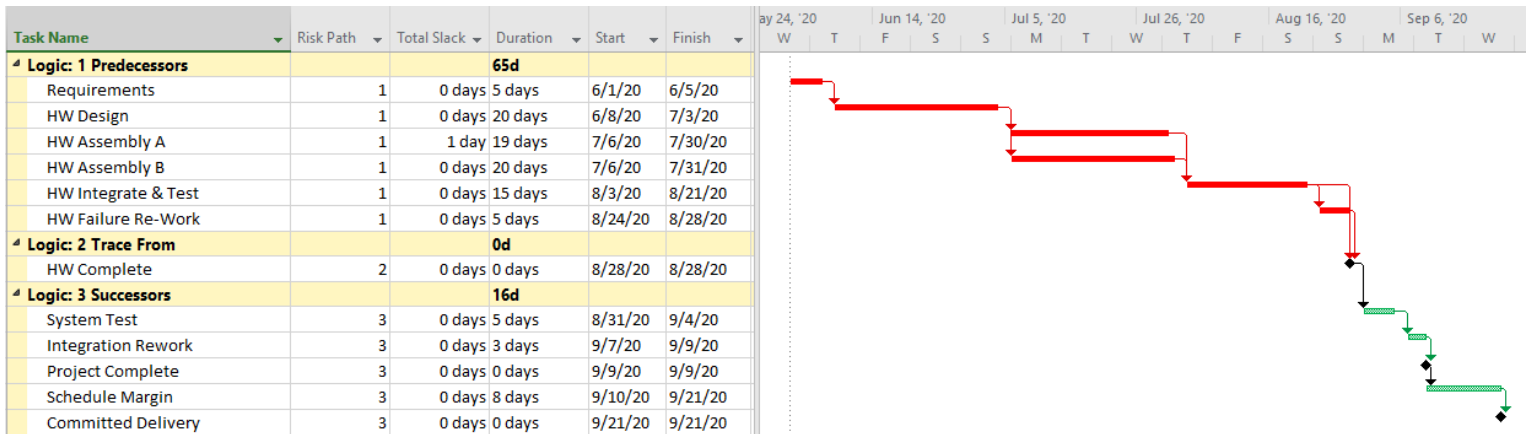
### Export Test Results

Task ID	Task UID	Task Name	Test Name	(Test Parameters)
9	38	HW Failure Re-Work	No baseline start or finish date	(Threshold: / Exclusions: / Goal:= 0%)
2	18	Requirements	No predecessors	(Threshold: / Exclusions:S / Goal:= 1)
22	35	Brochure Development	No predecessors	(Threshold: / Exclusions:S / Goal:= 1)
9	38	HW Failure Re-Work	No resources	(Threshold: / Exclusions:SM / Goal:= 0%)
16	39	SW Failure Re-Work	No resources	(Threshold: / Exclusions:SM / Goal:= 0%)
20	40	Integration Rework	No resources	(Threshold: / Exclusions:SM / Goal:= 0%)
10	25	HW Complete	Tasks with redundant predecessors	(Threshold: / Exclusions: / Goal:= 0%)
17	31	SW Complete	Tasks with redundant predecessors	(Threshold: / Exclusions: / Goal:= 0%)

### Float Trace



### Logic Trace



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