

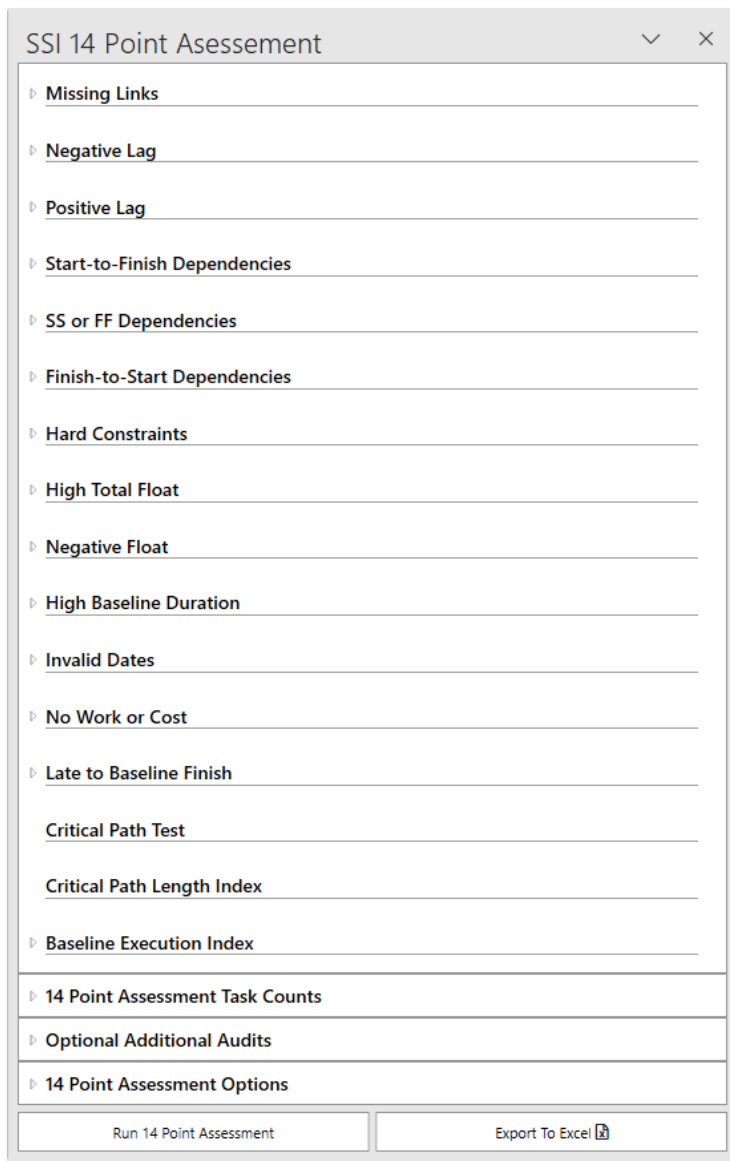
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The SSI 14 Point Assessment Tool

Overview

In 2005, the US *Defense Contract Management Agency (DCMA)* implemented a collection of schedule assessment conditions known as the *14 Point Assessment*. The *SSI 14 Point Assessment* tool is built to allow *Microsoft Project* users to audit their schedules against this assessment. Even if a project is not subject to DCMA audits or surveillance, running a self-evaluation of a project using the 14 Point Assessment criteria may inform a project team if deficiencies exist in a schedule that can be corrected for closer alignment with industry standard best practices.



The screenshot shows a software window titled "SSI 14 Point Assessment" with a list of 14 assessment criteria, each with a dropdown arrow to its left. The criteria are: Missing Links, Negative Lag, Positive Lag, Start-to-Finish Dependencies, SS or FF Dependencies, Finish-to-Start Dependencies, Hard Constraints, High Total Float, Negative Float, High Baseline Duration, Invalid Dates, No Work or Cost, Late to Baseline Finish, Critical Path Test, Critical Path Length Index, Baseline Execution Index, 14 Point Assessment Task Counts, Optional Additional Audits, and 14 Point Assessment Options. At the bottom of the window are two buttons: "Run 14 Point Assessment" and "Export To Excel" with a small Excel icon.

Assessment Criteria
Missing Links
Negative Lag
Positive Lag
Start-to-Finish Dependencies
SS or FF Dependencies
Finish-to-Start Dependencies
Hard Constraints
High Total Float
Negative Float
High Baseline Duration
Invalid Dates
No Work or Cost
Late to Baseline Finish
Critical Path Test
Critical Path Length Index
Baseline Execution Index
14 Point Assessment Task Counts
Optional Additional Audits
14 Point Assessment Options

Run 14 Point Assessment Export To Excel 

The 14 Points

The DCMA 14 Point Assessment consists of these audits:

<https://www.dcma.mil/Portals/31/Documents/Policy/DCMA-PAM-200-1.pdf?ver=2016-12-28-125801-627>

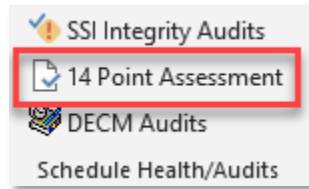
1. **Logic (Missing Links)** – This metric identifies incomplete tasks without Predecessors or Successors. DCMA considers a schedule to be passing this audit if the number of incomplete tasks without predecessors/successors is less than or equal to 5%.
2. **Leads (Negative Lags)** – This metric identifies the number of logic links with a lead (negative lag) in predecessor relationships for incomplete tasks. DCMA considers a schedule to be passing this audit if no (zero) dependencies in the schedule have negative lag.
3. **Lags (Positive Lags)** – This metric identifies the number of logic links with a lag (positive lag) in predecessor relationships for incomplete tasks. DCMA considers a schedule to be passing this audit if the number of predecessor relationships that have positive lags is less than or equal to 5%.
4. **Relationship Types**
 - a. **Start-To-Finish Dependencies** – This metric identifies the number of logic links with a Start-To-Finish dependency type in predecessor relationships for incomplete tasks. DCMA considers a schedule to be passing this audit if no (zero) dependencies in the schedule have a Start-To-Finish dependency type.
 - b. **Start-To-Start or Finish to Finish Dependencies** – This metric identifies the number of logic links with a Start-To-Start or Finish-To-Finish dependency type in predecessor relationships for incomplete tasks. DCMA considers a schedule to be passing this audit if the number of predecessor relationships that have a Start-To-Start or Finish-To-Finish dependency type is less than or equal to 5%.
 - c. **Finish-To-Start Dependencies** – This metric identifies the number of logic links with a Finish-To-Start dependency type in predecessor relationships for incomplete tasks. DCMA considers a schedule to be passing this audit if the number of predecessor relationships that have a Finish-To-Start dependency type is greater than or equal to 95%.
5. **Hard Constraints** – This metric identifies incomplete tasks using a Hard Constraint (Must Finish-On (MFO), Must-Start-On (MSO), Start-No-Later-Than (SNLT), & Finish-No-Later Than (FNLT)) DCMA considers a schedule to be passing this audit if the number of incomplete tasks with a hard constraint is equal to 0%.
6. **High [Total] Float** – This metric identifies incomplete tasks with total float (slack) greater than 44 working days or 2 months. DCMA considers a schedule to be passing this audit if the number of incomplete tasks with high total float is less than or equal to 5%.
7. **Negative Float** – This metric identifies incomplete tasks with total float (slack) less than zero. DCMA considers a schedule to be passing this audit if there are no incomplete tasks with Negative Float in the schedule.



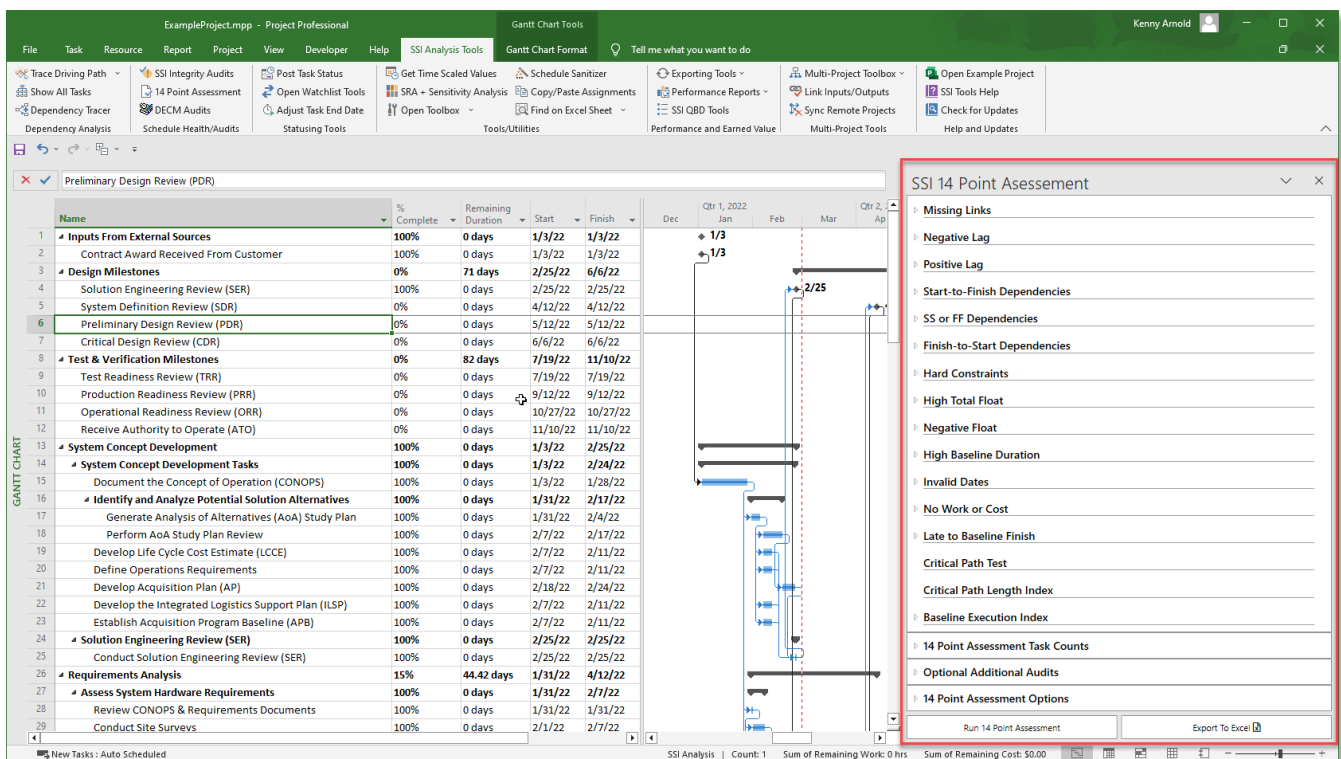
8. **High [Baseline] Duration** – This metric identifies incomplete tasks with a baseline duration greater than 44 working days or 2 months. DCMA considers a schedule to be passing this audit if the number of incomplete tasks with high total float is less than or equal to 5%.
9. **Invalid Dates** – This metric identifies Incomplete tasks that have a forecast start/finish date prior to the IMS status date or have an actual start/finish date beyond the IMS status date. DCMA considers a schedule to be passing this audit if there are no incomplete tasks with Invalid Dates in the schedule.
10. **Resources (No Work or Cost)** – This metric identifies all tasks in the schedule that have durations greater than zero and have zero dollars or hours assigned. DCMA considers a schedule to be passing this audit if there are no tasks with duration and no work or cost in the schedule.
11. **Missed Tasks (Late to Baseline Finish)** – This metric identifies all tasks in the schedule that are currently finishing later than their baseline finish date if that baseline finish date is prior to the status date. DCMA considers a schedule to be passing this audit if the number of missed tasks is less than or equal to 5%.
12. **Critical Path Test** – This test will evaluate a critical or driving path in the schedule. According to DCMA, a path is passing the test if the focus task (end task) of the path is delayed in exact proportion to an amount of duration added to the first incomplete task on the path. This is a pass/fail test.
13. **Critical Path Length Index (CPLI)** – According to DCMA, this index is a measure of the efficiency required to complete a milestone on-time. A CPLI of 1.00 means that the program must accomplish one day's worth of work for every day that passes. A CPLI less than 1.00 means that the program schedule is inefficient with regard to meeting the baseline date of the milestone (i.e. going to finish late). A CPLI greater than 1.00 means the program is running efficiently with regard to meeting the baseline date of the milestone (i.e. going to finish early)
14. **Baseline Execution Index (BEI)** – Baseline Execution Index is, up to this time now, the percentage of tasks that have hit their baseline date. It is considered to be a good indicator of the realism of program cost, resource, and schedule estimates. DCMA considers it a flag if a schedule has a BEI of less than 95%.

Getting Started

To open the SSI 14 Point Assessment, click the **14 Point Assessment** button in the **Schedule Health/Audits** group of the **SSi Analysis Tools** menu in *Microsoft Project*.



The **SSi 14 Point Assessment** opens as a task pane (a form docked to *Microsoft Project*) on the right-hand side of *Microsoft Project*.



The screenshot displays the Microsoft Project Professional interface. The 'SSi Analysis Tools' menu is open, and the '14 Point Assessment' option is selected. The task pane on the right, titled 'SSi 14 Point Assessment', lists various assessment categories and their counts. The main window shows a Gantt chart for a project named 'Preliminary Design Review (PDR)'.

Name	% Complete	Remaining Duration	Start	Finish
Inputs From External Sources	100%	0 days	1/3/22	1/3/22
Contract Award Received From Customer	100%	0 days	1/3/22	1/3/22
Design Milestones	0%	71 days	2/25/22	6/6/22
Solution Engineering Review (SER)	100%	0 days	2/25/22	2/25/22
System Definition Review (SDR)	0%	0 days	4/12/22	4/12/22
Preliminary Design Review (PDR)	0%	0 days	5/12/22	5/12/22
Critical Design Review (CDR)	0%	0 days	6/6/22	6/6/22
Test & Verification Milestones	0%	82 days	7/19/22	11/10/22
Test Readiness Review (TRR)	0%	0 days	7/19/22	7/19/22
Production Readiness Review (PRR)	0%	0 days	9/12/22	9/12/22
Operational Readiness Review (ORR)	0%	0 days	10/27/22	10/27/22
Receive Authority to Operate (ATO)	0%	0 days	11/10/22	11/10/22
System Concept Development	100%	0 days	1/3/22	2/25/22
System Concept Development Tasks	100%	0 days	1/3/22	2/24/22
Document the Concept of Operation (CONOPS)	100%	0 days	1/3/22	1/28/22
Identify and Analyze Potential Solution Alternatives	100%	0 days	1/31/22	2/17/22
Generate Analysis of Alternatives (AoA) Study Plan	100%	0 days	1/31/22	2/4/22
Perform AoA Study Plan Review	100%	0 days	2/7/22	2/17/22
Develop Life Cycle Cost Estimate (LCCE)	100%	0 days	2/7/22	2/11/22
Define Operations Requirements	100%	0 days	2/7/22	2/11/22
Develop Acquisition Plan (AP)	100%	0 days	2/18/22	2/24/22
Develop the Integrated Logistics Support Plan (ILSP)	100%	0 days	2/7/22	2/11/22
Establish Acquisition Program Baseline (APB)	100%	0 days	2/7/22	2/11/22
Solution Engineering Review (SER)	100%	0 days	2/25/22	2/25/22
Conduct Solution Engineering Review (SER)	100%	0 days	2/25/22	2/25/22
Requirements Analysis	15%	44.42 days	1/31/22	4/12/22
Assess System Hardware Requirements	100%	0 days	1/31/22	2/7/22
Review CONOPS & Requirements Documents	100%	0 days	1/31/22	1/31/22
Conduct Site Surveys	100%	0 days	2/1/22	2/7/22

SSi 14 Point Assessment

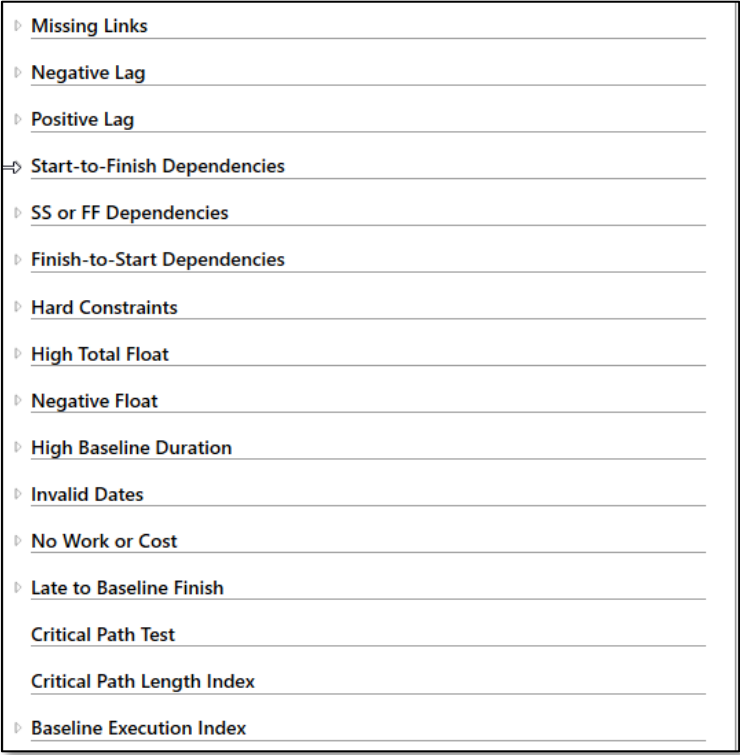
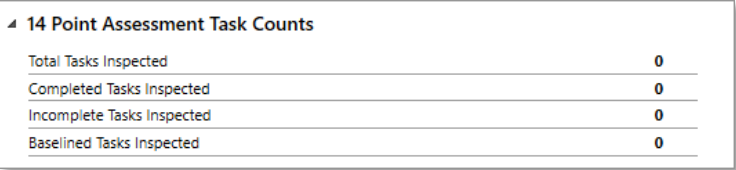
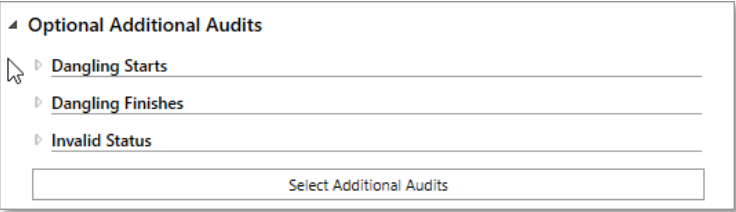
- Missing Links
- Negative Lag
- Positive Lag
- Start-to-Finish Dependencies
- SS or FF Dependencies
- Finish-to-Start Dependencies
- Hard Constraints
- High Total Float
- Negative Float
- High Baseline Duration
- Invalid Dates
- No Work or Cost
- Late to Baseline Finish
- Critical Path Test
- Critical Path Length Index
- Baseline Execution Index
- 14 Point Assessment Task Counts
- Optional Additional Audits
- 14 Point Assessment Options

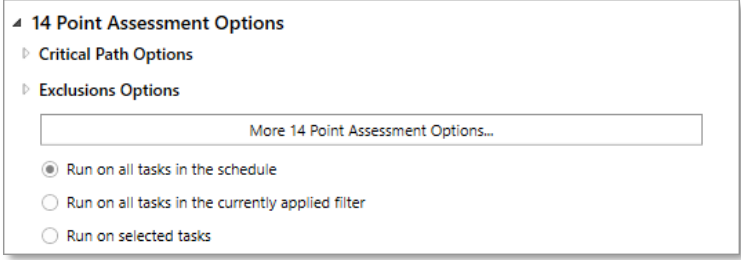
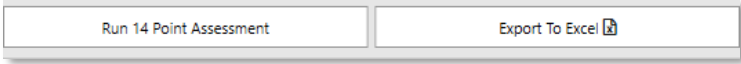
Run 14 Point Assessment Export To Excel

SSi Analysis | Count: 1 Sum of Remaining Work: 0 hrs Sum of Remaining Cost: \$0.00

The User Interface

The user interface is divided into 5 major sections:

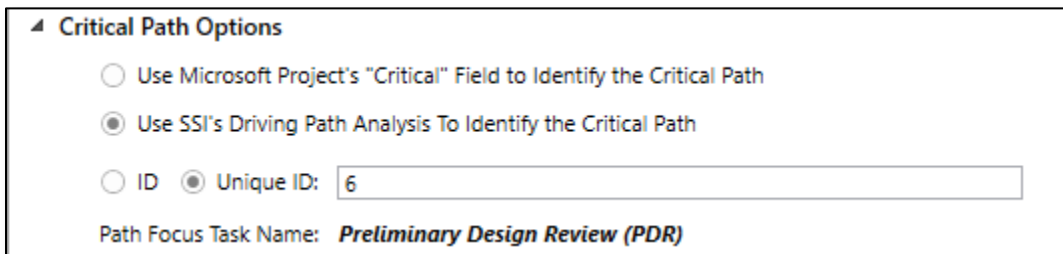
The 14 Point Assessment Audits section – This section of the tool will show you the 14 Point Audits that will be or have been run. Each audit can be expanded to see a description of the audit definition and how it is calculated by the tool. This section cannot be expanded or collapsed. The content within this section will automatically adjust if any of the other sections are expanded.	 ▶ Missing Links ▶ Negative Lag ▶ Positive Lag ▶ Start-to-Finish Dependencies ▶ SS or FF Dependencies ▶ Finish-to-Start Dependencies ▶ Hard Constraints ▶ High Total Float ▶ Negative Float ▶ High Baseline Duration ▶ Invalid Dates ▶ No Work or Cost ▶ Late to Baseline Finish - Critical Path Test - Critical Path Length Index ▶ Baseline Execution Index										
The 14 Point Assessment Task Counts section – This section of the tool will display the total, completed, incomplete, and baselined tasks analyzed by the tool when the 14 Point Assessment is run. Prior to the tool running, these will be set to zero.	 <table border="1"> <thead> <tr> <th colspan="2">14 Point Assessment Task Counts</th> </tr> </thead> <tbody> <tr> <td>Total Tasks Inspected</td> <td>0</td> </tr> <tr> <td>Completed Tasks Inspected</td> <td>0</td> </tr> <tr> <td>Incomplete Tasks Inspected</td> <td>0</td> </tr> <tr> <td>Baselined Tasks Inspected</td> <td>0</td> </tr> </tbody> </table>	14 Point Assessment Task Counts		Total Tasks Inspected	0	Completed Tasks Inspected	0	Incomplete Tasks Inspected	0	Baselined Tasks Inspected	0
14 Point Assessment Task Counts											
Total Tasks Inspected	0										
Completed Tasks Inspected	0										
Incomplete Tasks Inspected	0										
Baselined Tasks Inspected	0										
The Optional Additional Audits section – This section will display any additional audits selected by the user to run in conjunction with the 14 Point Assessment. These audits can be chosen in the 14 Point Assessment Settings dialog.	 Optional Additional Audits ▶ Dangling Starts ▶ Dangling Finishes ▶ Invalid Status Select Additional Audits										

The 14 Point Assessment Options section – This section can be expanded and allows the user to control various quick options for how the 14 Point Assessment will be run once the <i>Run 14 Point Assessment</i> button is clicked.	
The Action Buttons section – This section at the bottom of the tool has the buttons to run the 14 Point Assessment or to Export the 14 Point Assessment Results to <i>Microsoft Excel</i>.	

Settings/Options

There are many options that can be set prior to running the 14 Point Assessment that will affect how the assessment is performed. Some of these options can be quickly set and adjusted through the ***14 Point Assessment Options section*** while others can only be set through the ***14 Point Assessment Settings Dialog***.

Critical Path Options



The SSI 14 Point Assessment tool needs to know how the critical/driving path will be identified for the Critical Path Test and Critical Path Length Index. The following options are available:

- **Use Microsoft Project's "Critical" Field** – If this option is selected, SSI will use the item with the latest start date marked "Yes" in the ***Critical*** field as the focus item for the critical path analysis.
- **Use SSI's Driving Path Analysis** – This option will allow the user to explicitly identify which task/milestone will be used as the focus item for the Driving Path Analysis. If you select this option, you will be asked to provide the ID or Unique ID of the item in the schedule that the Driving Path Analysis will be conducted on. The focus item **cannot** be a summary task.

Exclusion Options

Exclusions Options

- ☒ Exclude [Milestones](#) from all audits
- ☐ Exclude [Level-of-Effort \(LOE\) Tasks](#) from all audits
- ☐ Exclude [Planning Packages](#) from [this audit](#)
- ☐ Exclude [Schedule Visibility Tasks \(SVTs\)](#) from [these audits](#)
- ☐ Exclude [Schedule Margin Tasks](#) from [these audits](#)
- ☒ Exclude [Inactive Tasks](#) from all audits
- ☐ Exclude tasks marked Yes in:

Users have options to exclude certain task types from some or all of the **14 Point Assessment** audits. There are various legitimate reasons why certain items may be excluded from evaluation. The following options are available:

- **Exclude Milestones from all audits** – In DCMA’s documentation, they evaluate tasks with duration but not milestones.
- **Exclude Level-of-Effort (LOE) tasks from all audits** – Level-of-Effort tasks represent support activities that are unique to discrete tasks. LOE tasks are permitted to be long in duration and should not be linked to any discrete work in the schedule.
- **Exclude Planning Packages from the High Baseline Duration audit** – Planning packages are future tasks that have not been planned in full detail yet in the schedule. Because these tasks are often broad generalizations of large amounts of scope, they are usually quite long in duration. DCMA recognizes that these tasks are intended to represent work in the distant future that will be broken down into shorter discrete activities at some point during the Project’s life cycle.
- **Exclude Schedule Visibility Tasks (SVTs) from the High Baseline Duration and No Work or Cost audits** – Schedule Visibility Tasks are tasks included in the schedule for “visibility purposes only”. They usually have no resources assigned, and they are not part of the program’s scope of work. These tasks often represent “wait times” like a Government Review or material lead-time.
- **Exclude Schedule Margin Tasks from the High Baseline Duration and No Work or Cost audits** – Schedule Margin Tasks are tasks in the schedule that represent the time necessary to account for estimated schedule risks/uncertainties. DCMA is aware these tasks may be long in duration and will not contain resources.

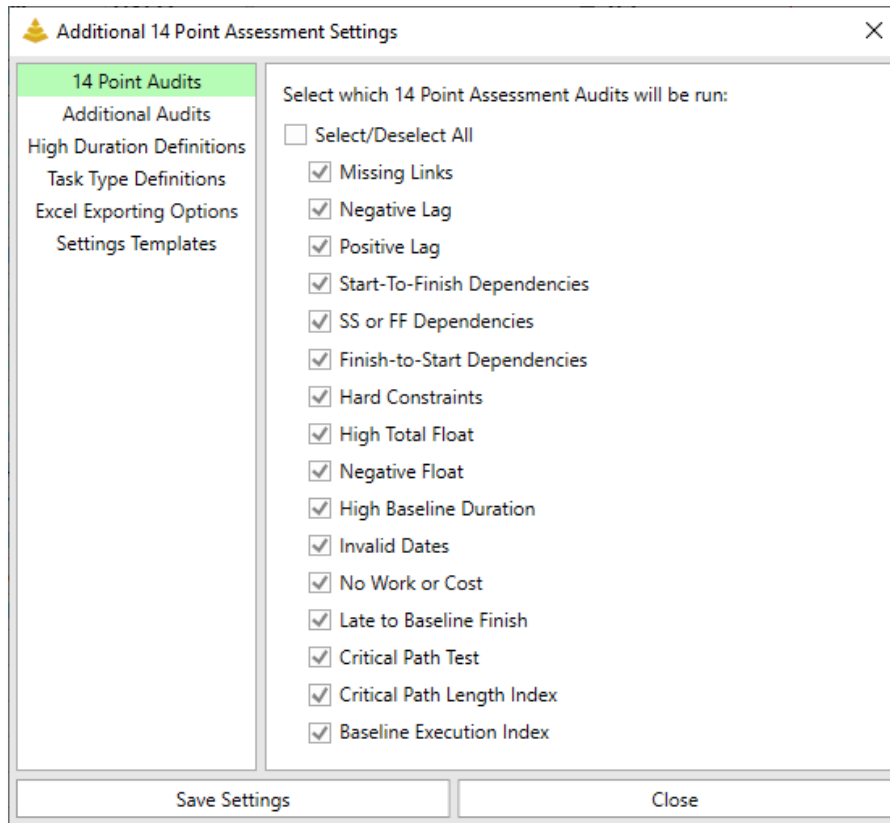
- **Exclude Inactive Tasks from all audits** – Inactive tasks are tasks marked as “Inactive” in *Microsoft Project*. A task can only become inactive if it is specifically set to that state by the *Microsoft Project* user. Note: the feature to mark tasks inactive only exists in *Microsoft Project Professional* and is not available in *Microsoft Project Standard* versions.
- **Exclude Tasks marked “Yes” in a user defined Flag Field.** – There may be tasks in the schedule that the program team has determined unnecessary to be analyzed as part of the 14 Point Assessment for various reasons. If these reasons are accepted by DCMA, these tasks can be flagged “Yes” in any of the available flag fields and excluded from the analysis.

Additional Options

Additional options for the 14 Point Assessment tool can be accessed by clicking the **More 14 Point Assessment Options** button in the *14 Point Assessment Options* section. This will open the 14 Point Assessment Settings form.

The 14 Point Audits Tab

This tab controls which of the 14 Point audits will be run when the *Run 14 Point Assessment* button is clicked. Any audit that is unchecked will not be run and removed from the view of the 14 Point Audits section of the 14 Point Assessment Tools.



Additional 14 Point Assessment Settings

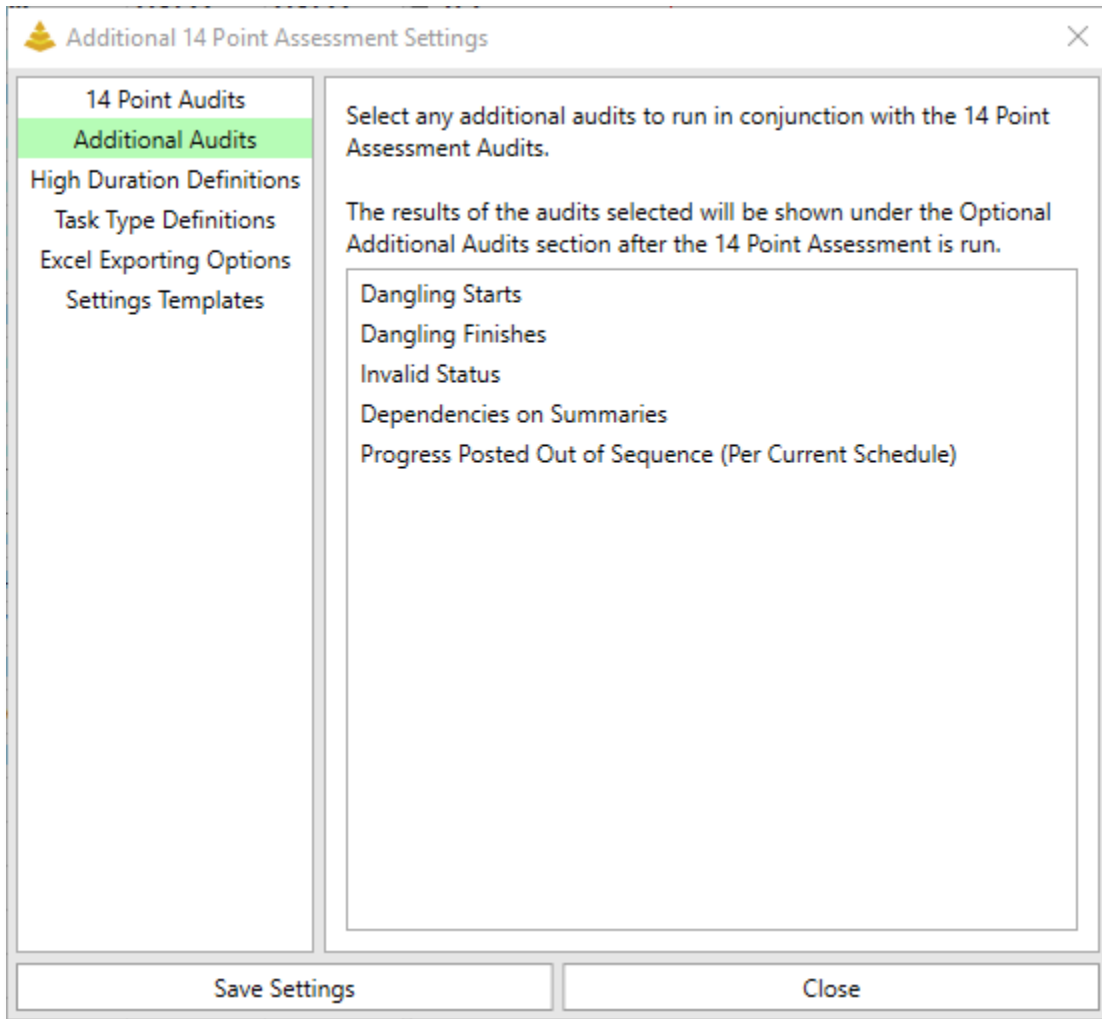
Select which 14 Point Assessment Audits will be run:

- ☐ Select/Deselect All
- ☒ Missing Links
- ☒ Negative Lag
- ☒ Positive Lag
- ☒ Start-To-Finish Dependencies
- ☒ SS or FF Dependencies
- ☒ Finish-to-Start Dependencies
- ☒ Hard Constraints
- ☒ High Total Float
- ☒ Negative Float
- ☒ High Baseline Duration
- ☒ Invalid Dates
- ☒ No Work or Cost
- ☒ Late to Baseline Finish
- ☒ Critical Path Test
- ☒ Critical Path Length Index
- ☒ Baseline Execution Index

Save Settings Close

The Additional Audits Tab

This tab controls which additional audits will be run in conjunction with the 14 Point Assessment. These audits are different than the 14 audits described by DCMA in DCMA-EA PAM 200.1. However, the audits listed are often asked to be run by auditors in addition to the standard 14 Point audits. Audits selected from the list on this tab will be shown in the *Optional Additional Audits* section of the 14 Point Assessment tool.



Additional 14 Point Assessment Settings

14 Point Audits
Additional Audits
High Duration Definitions
Task Type Definitions
Excel Exporting Options
Settings Templates

Select any additional audits to run in conjunction with the 14 Point Assessment Audits.

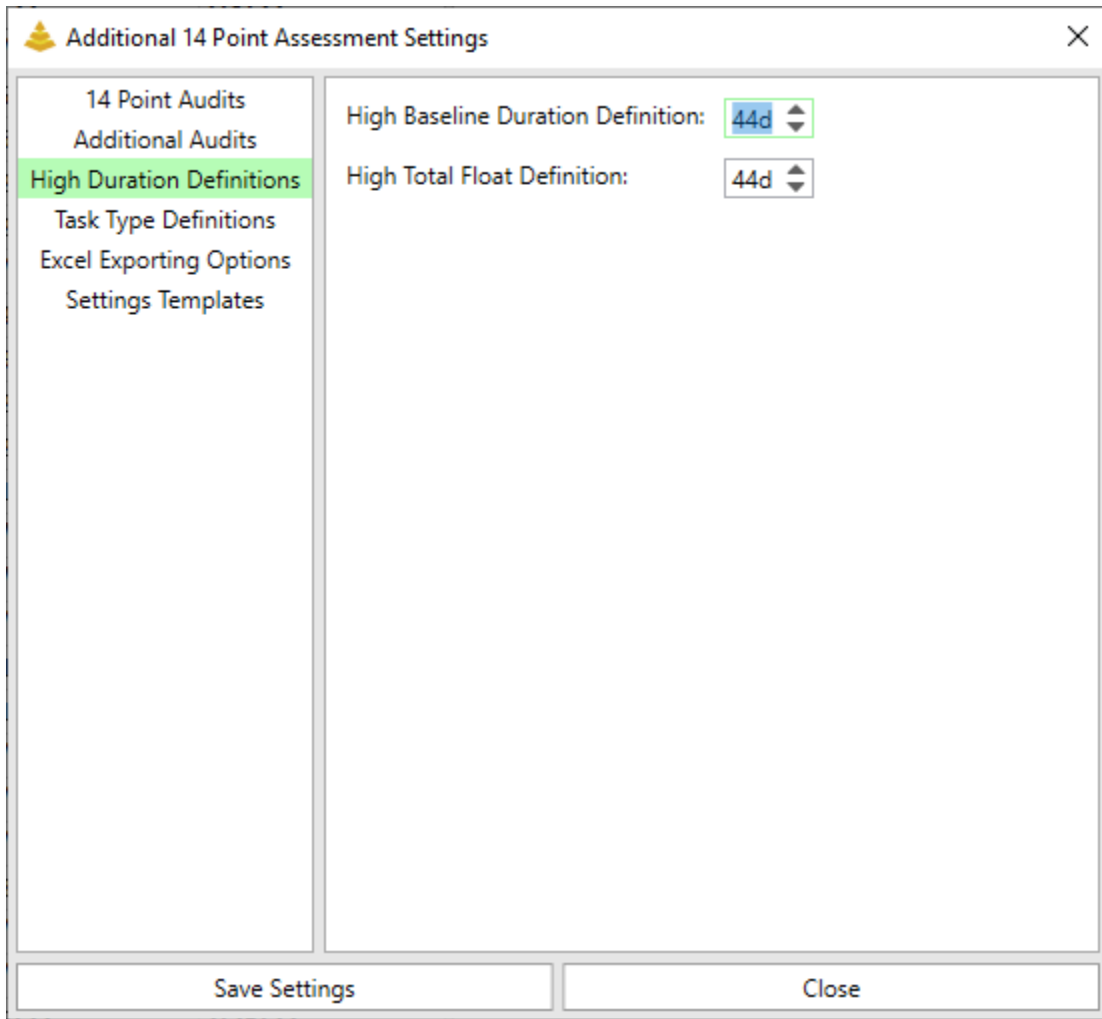
The results of the audits selected will be shown under the Optional Additional Audits section after the 14 Point Assessment is run.

- Dangling Starts
- Dangling Finishes
- Invalid Status
- Dependencies on Summaries
- Progress Posted Out of Sequence (Per Current Schedule)

Save Settings Close

High Duration Definitions

This tab will allow the user to define the number of task working days to consider as “high duration”. DCMA considers anything greater than 2 months to be high duration. In standard 5 day/week, 8 hour/day calendars this equates to roughly 44 days. However, schedules can use different calendars that may not follow standard conventions. In this case, 44 days may not be the amount of time that represents 2 months. Because of this, the threshold for high duration can be adjusted by the user.



Additional 14 Point Assessment Settings [X]

- 14 Point Audits
- Additional Audits
- High Duration Definitions**
- Task Type Definitions
- Excel Exporting Options
- Settings Templates

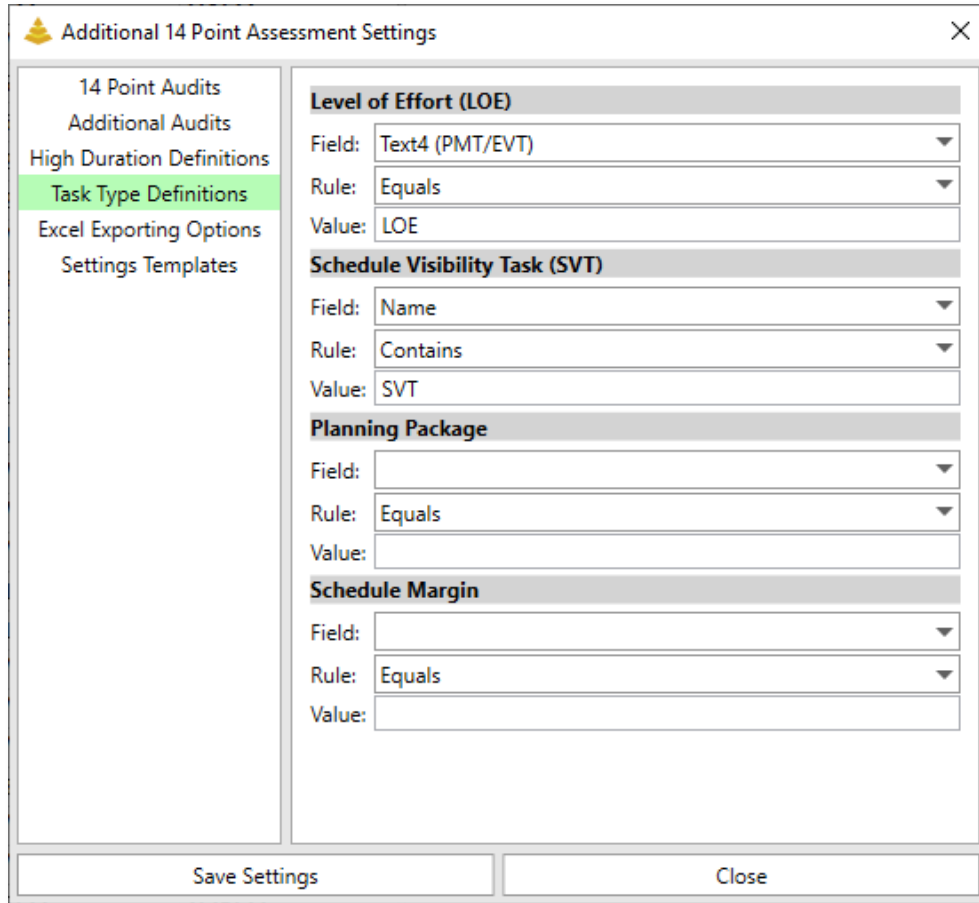
High Baseline Duration Definition: 44d [up/down]

High Total Float Definition: 44d [up/down]

Save Settings Close

Task Type Definitions

The SSI 14 Point Assessment tool needs certain task types to be defined to enable the options to exclude them from an assessment. For example, the option to exclude Level-of-Effort (LOE) tasks cannot be enabled if what constitutes an LOE task has not been defined yet.



Section	Field	Rule	Value
Level of Effort (LOE)	Text4 (PMT/EVT)	Equals	LOE
Schedule Visibility Task (SVT)	Name	Contains	SVT
Planning Package		Equals	
Schedule Margin		Equals	

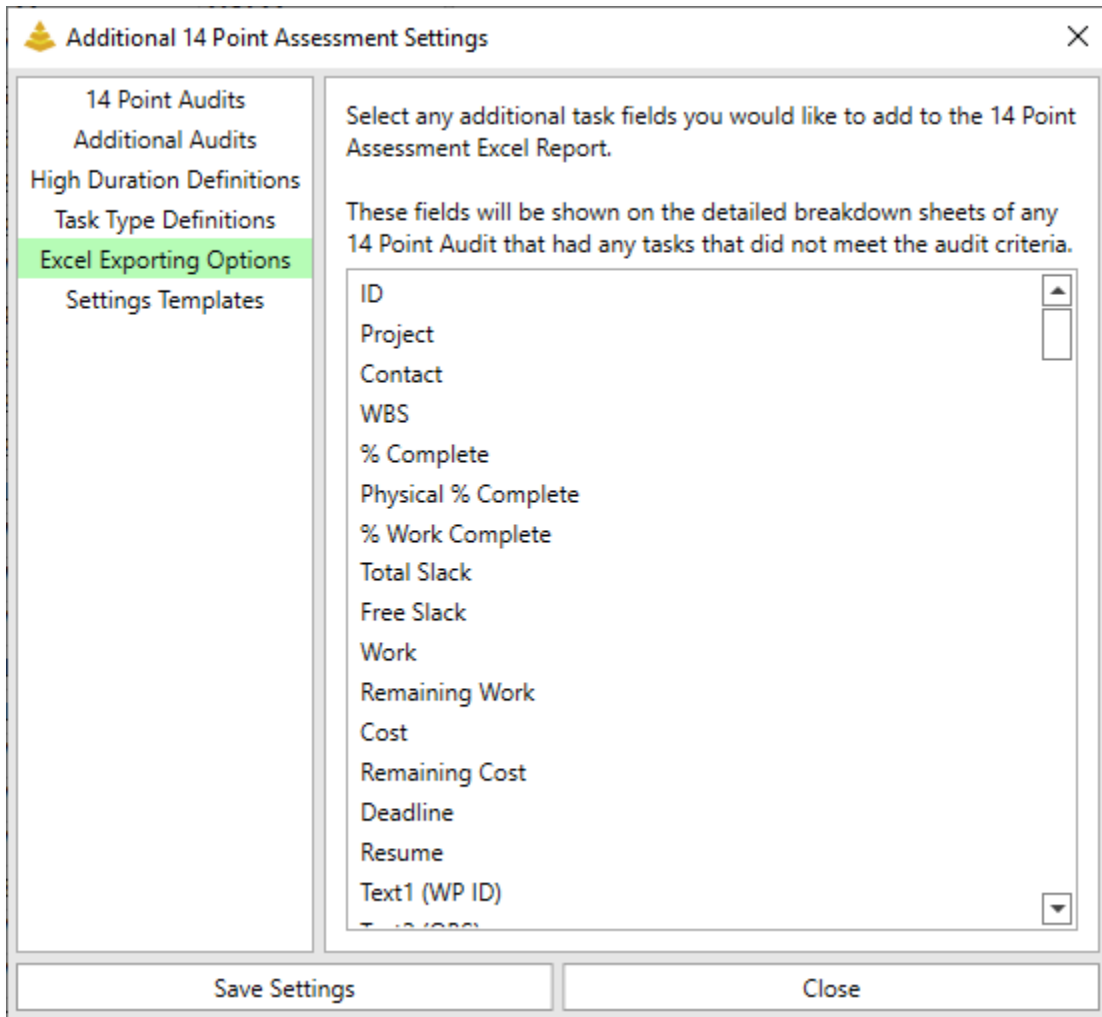
To define a task type, click the *Field* drop down box and select the field in *Microsoft Project* that contains the field definition value. Then select the *Rule* from the *Rule* drop down box. The following Rules can be selected:

- Equals
- Does Not Equal
- Contains
- Does Not Contain
- Starts With
- Ends With

Next, set the value to whatever represents the task type. This can be any text value. Looking at the image above as an example, an LOE task is defined as any task who's Text4 equals "LOE". SVTs are defined as any tasks that have "SVT" contained in their name.

Excel/Exporting Options

Additional task fields can be added to the 14 Point Assessment *Excel* report. These fields will appear in the worksheets containing details of tasks that did not meet audit criteria. Use the list in the *Excel/Exporting Options* tab to select which fields will be added to the report.



Additional 14 Point Assessment Settings

14 Point Audits
Additional Audits
High Duration Definitions
Task Type Definitions
Excel Exporting Options
Settings Templates

Select any additional task fields you would like to add to the 14 Point Assessment Excel Report.

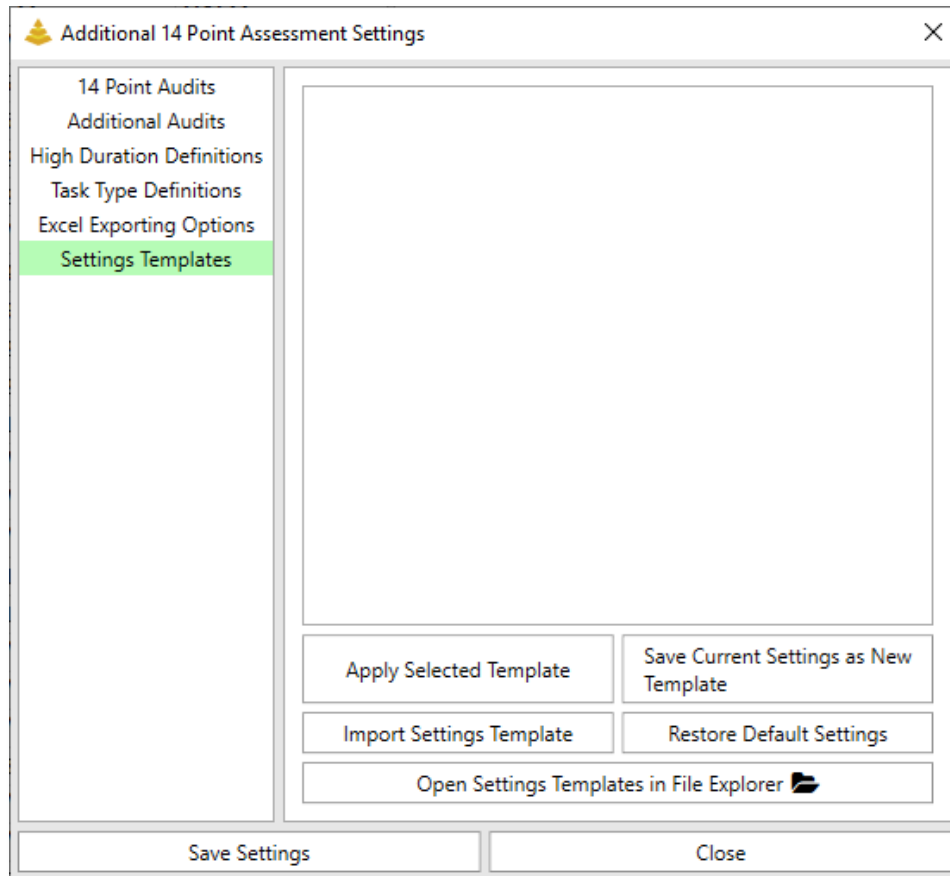
These fields will be shown on the detailed breakdown sheets of any 14 Point Audit that had any tasks that did not meet the audit criteria.

- ID
- Project
- Contact
- WBS
- % Complete
- Physical % Complete
- % Work Complete
- Total Slack
- Free Slack
- Work
- Remaining Work
- Cost
- Remaining Cost
- Deadline
- Resume
- Text1 (WP ID)

Save Settings Close

Settings Templates

Users can create configurations of their selected 14 Point Assessment options that can be toggled on or off and distributed to other SSI Tools users. This feature is useful if you want to have one set of settings for one project or customer and a different set of settings for a different project or customer.



- ***Save Current Settings as New Template*** will save the current settings as a new template. Users will be prompted to give their template a name. The settings templates are saved in [SSI Installation Location]\SSI_Tools\Settings\Schedule Health Settings\14 Point Settings as .json files.
- ***Apply Selected Template*** will change all the current settings to the settings defined in the selected settings template.
- ***Import Settings Template*** will allow users to browse to a settings template .json file regardless of where it is located on the file system and save it into the Settings Templates folder.
- ***Restore Default Settings*** will restore the SSI 14 Point Assessment Tools to its factory settings.
- ***Open Settings Template in File Explorer*** will open the Settings Template folder location.

Operation Options

- ☒ Run on all tasks in the schedule

☐ Run on all tasks in the currently applied filter

☐ Run on selected tasks

Users can select what tasks will be evaluated when the 14 Point Assessment runs by selecting one of the following options:

- **Run on all tasks in the schedule** – This option will ensure that every task in the schedule is evaluated (except for tasks that have chosen to be excluded) when the 14 Point Assessment runs, regardless of what is currently selected or if a filter is applied to the Gantt Chart.
- **Run on all tasks in the currently applied filter** – This option will ensure that only tasks that are within the view of the currently applied filter will be evaluated (except for tasks that have chosen to be excluded) when the 14 Point Assessment runs, regardless of what is currently selected.
- **Run on selected tasks** – This option will ensure that only tasks that are currently selected in the Gantt Chart will be evaluated (except for tasks that have chosen to be excluded) when the 14 Point Assessment runs.

Running the Assessment

Once all the desired options have been chosen, the 14 Point Assessment is ready to be run. To start the process, click the **Run 14 Point Assessment** button at the bottom of the SSI 14 Point Assessment tool.

Run 14 Point Assessment

Once this button is clicked, the 14 Point Assessment will begin to run. A progress indicator will appear at the center of the tool.

▶ Missing Links	0	0.00%	✓
▶ Negative Lag	0	0.00%	✓
▶ Positive Lag	0	0.00%	✓
▶ Start-to-Finish Dependencies	0	0.00%	✓
▶ SS or FF Dependencies	1	1.28%	✓
▶ Finish-to-Start Dependencies	77	98.72%	✓
▶ Hard Constraints	0	0.00%	✓
▶ High Total Float	0	0.00%	✓
▶ Negative Float	0	0.00%	✓
▶ High Baseline	8	8.89%	✓
Performing 14 Point Assessment... 36%			
▶ Invalid Dates	0	0.00%	✓
▶ No Work or Cost	0	0.00%	✓
▶ Late to Baseline Finish	15	100.00%	✗
▶ Critical Path Test	-	Show	✓
▶ Critical Path Length Index	-	107.41%	✓
▶ Baseline Execution Index	14	93.33%	✗
▶ 14 Point Assessment Task Counts			
Total Tasks Inspected			69
Completed Tasks Inspected			14
Incomplete Tasks Inspected			55
Baselined Tasks Inspected			69
▶ Optional Additional Audits			
▶ 14 Point Assessment Options			
Run 14 Point Assessment		Export To Excel 	

Once the tool has finished running, the results of the 14 Point Assessment can be seen in the 14 Point Audits section of the tool.

▶ Missing Links	0	0.00%	✓
▶ Negative Lag	0	0.00%	✓
▶ Positive Lag	0	0.00%	✓
▶ Start-to-Finish Dependencies	0	0.00%	✓
▶ SS or FF Dependencies	1	1.28%	✓
▶ Finish-to-Start Dependencies	77	98.72%	✓
▶ Hard Constraints	0	0.00%	✓
▶ High Total Float	0	0.00%	✓
▶ Negative Float	0	0.00%	✓
▶ High Baseline Duration	0	0.00%	✓
▶ Invalid Dates	0	0.00%	✓
▶ No Work or Cost	0	0.00%	✓
▶ Late to Baseline Finish	15	100.00%	✗
▶ Critical Path Test	-	Show	✓
▶ Critical Path Length Index	-	107.41%	✓
▶ Baseline Execution Index	14	93.33%	✗

Understanding the Results

The results of a given 14 Point Assessment audit can be broken down into three parts.

- The total number of audit findings. This is shown in the second column of values.

▶ SS or FF Dependencies	1	1.28%	✓
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- The overall audit score (number of findings/number of items evaluated)

▶ SS or FF Dependencies	1	1.28%	✓
-------------------------	---	-------	---

- Whether or not the audit passed based on the DCMA threshold for the audit. A green check icon means the audit passed; a red X means the audit failed.

▶ SS or FF Dependencies	1	1.28%	✓
-------------------------	---	-------	---

In this example, we can see that the SS or FF Audit found 1 dependency when the analysis ran. This means 1.28% of all predecessor dependencies in the schedule are either SS or FF. Since this is below the DCMA threshold of 5% for this audit, a passing score was awarded.

Exporting Results to Excel

The results of the 14 Point Assessment can be exported to an *Excel*/Report. To do this, click the **Export to Excel** button at the bottom of the SSI 14 Point Assessment tool **after** the 14 Point Assessment has been run.

Export To Excel 

When this button is clicked, an *Excel* file containing the results of the 14 Point Assessment this file will automatically be saved on the desktop and will be titled "SSI 14 Point Assessment Results_[Today's Date and Time].xlsx". Once the file has been generated, it can be moved, renamed, or deleted just as any other *Excel* file. When initially opening the file, the Summary worksheet will be displayed, showing a summary of the audits and their results.

AutoSave 12:14 PM SSI 14 Point Assessment Results_2023-1-24-12-15.xlsx - Saved View Search Kennedy Arnold

File Home Insert Page Layout Formulas Data Review View SSI Tools Developer Help Acrobat

Paste Copy Format Painter Clipboard Font Alignment Number

Calibri 20 A A Wrap Text General Conditional Formatting Format as Table

Normal Bad Good Neutral Calculation Check Cell Explanatory ... Followed By...

Insert Delete Format AutoSum Fill Sort & Filter Clear Editing

A1 X ✓ fx DCMA 14 Point Assessment Results Run by SSI Tools

	DCMA 14 Point Assessment Results Run by SSI Tools															
	Missing Links	Negative Lag	Positive Lag	Start-to-Finish Dependencies	SS or FF Dependencies	Finish-to-Start Dependencies	Hard Constraints	High Total Float	Negative Float	High Baseline Duration	Invalid Dates	No Work or Cost	Late to Baseline Finish	Critical Path Test	Critical Path Length Index	Baseline Execution Index
Score:	0.00%	0.00%	0.00%	0.00%	1.28%	98.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	Pass	107.41%	93.13%
Count:	0	0	0	0	1	77	0	0	0	0	0	0	15	NA	27840	14
Total:	55	78	78	78	78	78	55	55	55	55	69	55	15	NA	25920	15
Threshold:	<= 5%	= 0%	<= 5%	= 0%	< 10%	>= 90%	<= 5%	<= 5%	= 0%	<= 5%	= 0%	= 0%	<= 5%	Pass/Fail	>= 95%	<= 5%

If any items were found by the audits, an additional worksheet will be added to the report detailing the tasks identified, their Unique IDs, the reason they failed the audit, and any additional fields chosen by the user in the **Excel Exporting Options** tab of the **Additional Options** form.

Summary | SS or FF Dependencies | **Late to Baseline Finish**

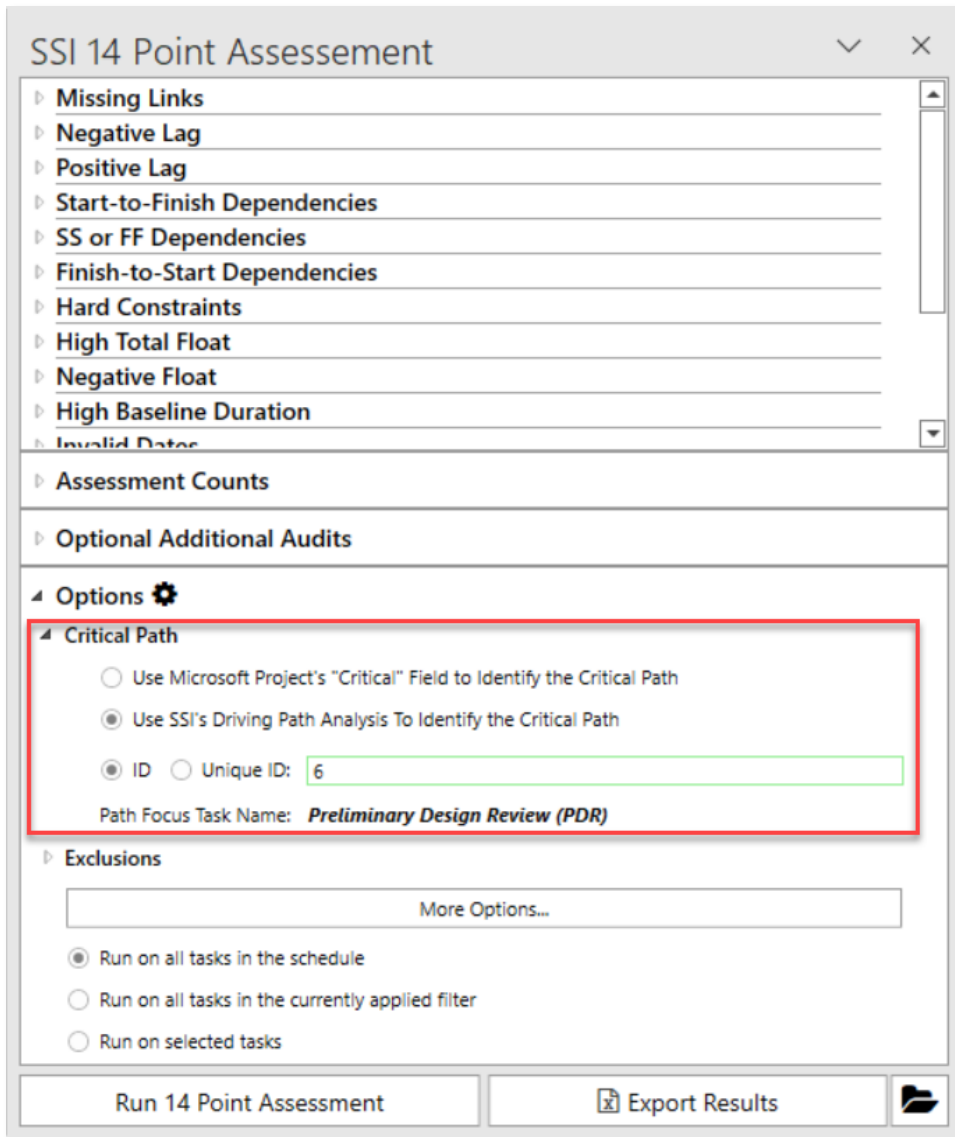
A	B	C
Unique ID	Name	Condition
15	Document the Concept of Operation (CONOPS)	Task Missed Baseline Finish Date
17	Generate Analysis of Alternatives (AoA) Study Plan	Task Missed Baseline Finish Date
18	Perform AoA Study Plan Review	Task Missed Baseline Finish Date
19	Develop Life Cycle Cost Estimate (LCCE)	Task Missed Baseline Finish Date
20	Define Operations Requirements	Task Missed Baseline Finish Date
21	Develop Acquisition Plan (AP)	Task Missed Baseline Finish Date
22	Develop the Integrated Logistics Support Plan (ILSP)	Task Missed Baseline Finish Date
23	Establish Acquisition Program Baseline (APB)	Task Missed Baseline Finish Date
25	Conduct Solution Engineering Review (SER)	Task Missed Baseline Finish Date
28	Review CONOPS & Requirements Documents	Task Missed Baseline Finish Date
29	Conduct Site Surveys	Task Missed Baseline Finish Date
30	Develop System Hardware Requirements	Task Missed Baseline Finish Date
32	Review CONOPS & Requirements Documents	Task Missed Baseline Finish Date
33	Review System Environment and I/O Requirements	Task Missed Baseline Finish Date
34	Conduct User Surveys	Task Missed Baseline Finish Date

Class Exercise – Run a 14 Point Assessment with an Explicit Critical Path

Open the Example Project for SSI Audit Tools (ExampleProjectAudit.mpp)*

*If needed, download the Example Project at: [Example Project for Audit Tools Exercises](#)

1. Click the **14 Point Assessment** from the **SSI Analysis Tools** menu.
2. Expand the **Options** Section.
3. Expand the **Critical Path** section.
4. Set the ID of the critical path focus item to **6** for **Preliminary Design Review**.



SSI 14 Point Assesment

- ▶ Missing Links
- ▶ Negative Lag
- ▶ Positive Lag
- ▶ Start-to-Finish Dependencies
- ▶ SS or FF Dependencies
- ▶ Finish-to-Start Dependencies
- ▶ Hard Constraints
- ▶ High Total Float
- ▶ Negative Float
- ▶ High Baseline Duration
- ▶ Invalid Dates

▶ Assessment Counts

▶ Optional Additional Audits

▲ Options ⚙

▲ Critical Path

- ☐ Use Microsoft Project's "Critical" Field to Identify the Critical Path
- ☒ Use SSI's Driving Path Analysis To Identify the Critical Path
- ☒ ID ☐ Unique ID:

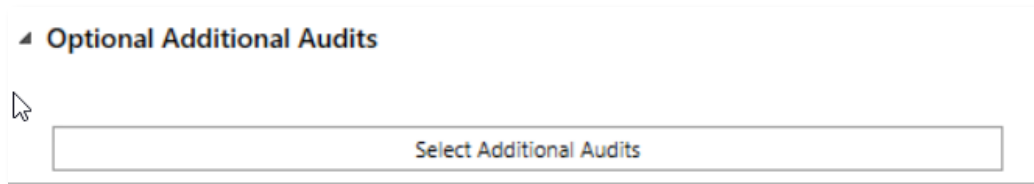
Path Focus Task Name: **Preliminary Design Review (PDR)**

▶ Exclusions

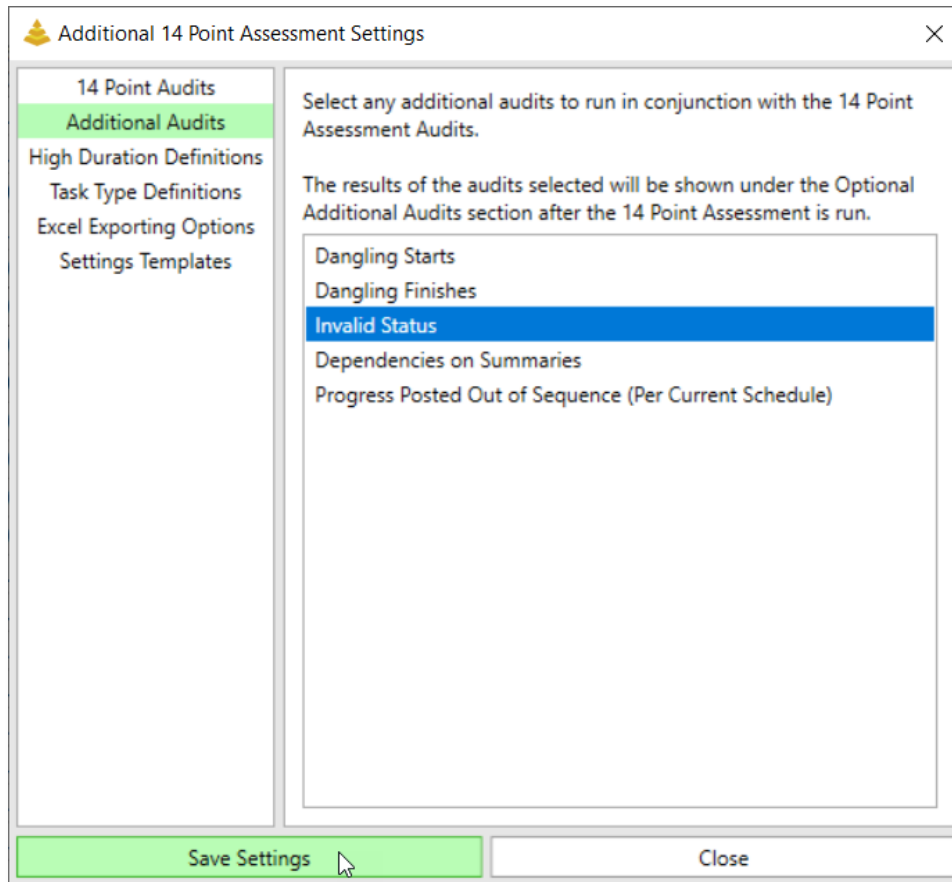
- ☒ Run on all tasks in the schedule
- ☐ Run on all tasks in the currently applied filter
- ☐ Run on selected tasks

Run 14 Point Assessment Export Results

5. Expand the *Optional Additional Audits* section.



6. Click the *Select Additional Audits* button.
7. In the window that opens, select *Invalid Status* from the list. Then click *Save Settings*



8. Click *Run 14 Point Assessment*.





9. Review the Results and click the links in columns showing a failed condition to filter the schedule for those items.

SSI 14 Point Assessement

Missing Links	0	0.00%	✓
Negative Lag	0	0.00%	✓
Positive Lag	0	0.00%	✓
Start-to-Finish Dependencies	0	0.00%	✓
SS or FF Dependencies	1	1.28%	✓
Finish-to-Start Dependencies	77	98.72%	✓
Hard Constraints	0	0.00%	✓
High Total Float	0	0.00%	✓
Negative Float	0	0.00%	✓
High Baseline Duration	0	0.00%	✓
Invalid Dates	0	0.00%	✓
No Work or Cost	0	0.00%	✓
Late to Baseline Finish	15	100.00%	✗
Critical Path Test	?	Show	✓
Critical Path Length Index	?	107.41%	✓
Baseline Execution Index	14	93.33%	✗

Assessment Counts

Total Tasks Inspected	69
Completed Tasks Inspected	14
Incomplete Tasks Inspected	55
Baselined Tasks Inspected	69

Optional Additional Audits

Invalid Status [1](#)

Select Additional Audits

Options ⚙

Run 14 Point Assessment Export Results

10. Click the **Export Results** button to create an Excel Export of the 14 Point Assessment results.

End of Exercise