

PLANNING & CONTROL USING

E PRIMAVERA

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Oracle Primavera P6 PPM Professional Version 22 Check Schedule Report

1 Introduction

Oracle Primavera releases new updates most months, and this paper outlines how the P6 Version 22 Check Schedule Report function operates.

2 Oracle Primavera Update Information

Readers may find the following Oracle documents which include the upgrade information:

- P6 Professional 21.12 22.12 Release Feature Overview document downloaded from: <u>https://docs.oracle.com/cd/E64687_01/EPPM/EPPM_CFO.html</u>
- P6 Version 22 documentation downloaded from here: https://docs.oracle.com/cd/F51303_01/index.htm

3 Check Schedule Report

The **Tools**, **Check Schedule Report** option allow the user to conduct a **Quantitative Check** on a schedule which is becoming more popular with a number of organisations:

P6 Primavera P6 Professional 22 : EC00501 (Haitang Corporate Park)											
<u>F</u> ile	e <u>E</u> dit <u>V</u>	iew <u>P</u> r	oject	E <u>n</u> terprise	<u>T</u> ools	<u>A</u> dmin	<u>H</u> elp				
	a 🚬	II 🗐	3- ·	لم الله ال	<u> </u>	hedule		F9	T		
	Activities			🕼 Check Schedule Report							
-	ACUVIU	cuvices			<u> L</u> e	Shift+F9					
2	Projects Activities			🛃 Apply Actuals							
- 51	✓ Layout: Classis WBS Layout				📑 🚽 Update Progress						
•	Activity I	D _	Activi	ty Name	👘 Re	ecalculate	Assignn	nent Costs	^		

The report is aligned to documents such as the DCMA 14 Point Assessment which may be downloaded from here:

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



Running the command allows the user to change the analysis settings in the form below:

Check Schedule				×
	1	Target		<u>C</u> ancel
USE Check Schedule Parameters from EC00501 - Haitang Corporate Park				<u>S</u> ave
✓ Logic - Activities missing predecessors or successors.	< 5	5 🔶 %	Þ	Check Sche <u>d</u> ule
₩ Negative lags - Relationships with a lag duration of less than 0	< [1 🔺 %	▶	<u>D</u> efault
✓ Positive Lags - Relationships with a positive lag duration	< [5 🔺 %	?	<u>H</u> elp
✓ Long Lags - Relationships with a lag duration greater than 352 h	< 5	5 🔶 %		
Relationship Types - The majority of the relationships should be Finish to Start	> 9	90 🔶 %		
Hard Constraints - Constraints that prevent activities from being moved	< [1 🔷 %		
✓ Soft Constraints - Constraints that do not prevent activities from being moved	< [5 🔶 %		
✓ Large Float - Activities with total float greater than 352 h	< [1 🔹 %		
✓ Negative Float - Activities with a total float less than 0	< [1 🔹 %		
✓ Large Durations - Activities that have a remaining duration greater than 352 h	< [5 🔹 %		
Activities with Invalid progress dates	< [1 🔹 %		
Resources / Cost - Activities that do not have an expense or resource assigned	< [1 🔹 %		
✓ Late Activities - Activities scheduled to finish later than the project baseline	< 5	5 🔶 %		
BEI - Baseline Execution Index	> [0.95		
Save Report To C:\Users\Primavera\Documents\ScheduleCheckReport.html				

If you make changes to the **Default** setting you may save them with the **Save** button, but it is not possible to save different profiles and setting will need to be changed manually for each different scenario that may be required.

You may the run a report by clicking on the **Check Schedule Report** button which will be displayed in a browser:

🧟 Check Schedule Report 🛛 🗴 🗋											
Check Schedule Report											
28-Dec-22											
PMEXE											
▼ Projects Checked											
Project ID	Project	Name		Data Date	Total Activities	Complete Activities	Internal Relations	mal External ationships Relation		l 1ships	
EC00501	Haitan	g Corporate Park		01-May-11	71		25	93		7	
▼ Project checked to have links to the following closed projects											
Closed Project ID Closed Project Na			ame			Data Date		Links to/from the clos project		ie closed	
EC00515	EC00515 City Center Office Building Addition					01-May-1	1			6	
EC00530		Nesbid Building	Expansion			01-Jul-11				1	
▼ Check Summary											
Check			Description			Target	Percent	Found)	Fotal	
Logic			Activities missing predecessors or successors				6.52 %		3	46	
Negative Lags			Relationships with a lag duration of less than 0				0.00 %		0	74	
Positive Lags			Relationships with a positive lag duration				9.46 %		7	74	
Long Lags			Relationships with a lag duration greater than 352 hours			< 5.00 %	0.00 %		0	74	
Relationship Type The majority of			The majority of relationships should be F	majority of relationships should be Finish to Start			89.19 %		66	74	
Hard Constraints			Constraints that prevent activities being moved			< 1.00 %	0.00 %		0	46	
Soft Constraints Const			Constraints that do not prevent activities being moved			< 5.00 %	0.00 %		0	46	
Large Float Activities with total float greater than 352				hours		< 1.00 %	60.87 %		28	46	
Negative Float Activities with a total float less than 0						< 1.00 %	0.00 %		0	46	
Large Durations Activities that have a re			Activities that have a remaining duration	greater than 352 hours		< 5.00 %	5.41 %		2	37	
Invalid Progress Before Data Date			Incomplete activities before the data date			< 1.00 %	0.00 %		0	46	
Invalid Progress After Data Date			Activities with actual dates after the data date			< 1.00 %	0.00 %		0	46	
Resources/Cost			Activities that do not have an expense or a resource assigned			< 1.00 %	6.90 %		4	58	
Late Activities			Activities scheduled to finish later than the	e project baseline		< 5.00 %	100.00 %		37	37	

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4 Additional Check Schedule Menu

There is also a **View**, **Check Schedule** menu command and this command allow elements of the Check Schedule report to be displayed in the current view with a filter.

- When the menu item is clicked with the mouse then a filter is applied displaying the activities that meet the Check Schedule report parameters identified by the command,
- > The menu item will be highlighted grey when a filter is applied,
- > Click on another menu item to display another parameter's activities, or
- > Click the same menu item to remove the filter.





5 Comment

Users must remember that it is more important to complete a **Qualitative Check** before running a **Quantitative Check** such as the **Check Schedule Report** and ensure that normal checks are made to a schedule which include but not limited to the following types of checks:

- > Is the full scope of the project included?
- > Have all the contract requirements been included?
- > Is the program aligned with the estimate?
- > Are the calendars extended to twice the project length so any delays will calculate correctly?
- Are task durations achievable?
- > Is the logic correct?
- > Has the program a Closed Network?
- > Have inappropriate Schedule Options been assigned?
- > Do any tasks have excessive float?
- > Are risk mitigation tasks included?
- > Is the contingent time allowed aligned with the schedule level of detail?
- > Are all major stakeholders in agreement with the program?

NOTE: Do not run a **Check Schedule Report** unless a **Qualitative Check** as identified above has been completed.

Paul E Harris Director Eastwood Harris Pty Ltd 26 April 2023





