

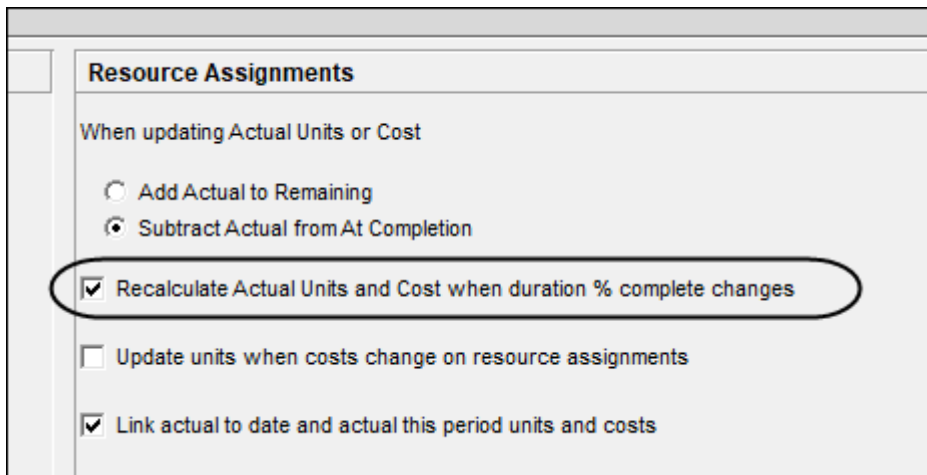
RESOURCE COST CALCULATION FOR ORACLE PRIMAVERA P6 LOE AND WBS SUMMARY TASKS

1 Introduction

It was brought to my attention recently that when LOE and WBS Summary tasks have progress, then the resource units are updated but the resource costs are not.

2 Understanding the “Recalculate Actual Units and Costs when duration % complete changes” Option

If you have the **Recalculate Actual Units and Costs when duration % complete changes** checked then the Remaining Units and Costs should be recalculated when a task is set as In Progress and the Remaining Duration is less than the Original Duration.



What I have found in Version 20, but other versions may calculate differently:

- If a Task Dependent task is updated and set as In Progress, then both the Units and Costs are both updated as expected.
- A LOE and WBS Summary task only has the units updated but not the costs. I think this is a bug, one of many but maybe there is something somewhere in the Help file, I have not checked.



3 How Do I make the LOE and WBS Summary Task calculate the Resource Actual and Remaining Costs

So, what is the solution, simple, select the menu item **Tools, Recalculate Assignment Costs:**

4 Before Updating

I have assigned one resource to the three tasks, a LOE, Task Dependent and WBS Summary:

Activity ID	Duration % Complete	At Completion Duration	Activity Type	Actual Labor Units	Remaining Labor Units	At Completion Labor Units	Actual Labor Cost	Remaining Labor Cost	At Completion Labor Cost
LOE Updating									
A1000	0%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1010	0%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1030	0%	20d	Level of Effort	0d	20d	20d	\$0	\$19,200	\$19,200
A1040	0%	20d	Task Dependent	0d	20d	20d	\$0	\$19,200	\$19,200
A1050	0%	20d	WBS Summary	0d	20d	20d	\$0	\$19,200	\$19,200

5 After Updating

The Task Dependent task units and costs are updated as expected, but the WBS Summary and LOE tasks units are updated but the WBS Summary and LOE tasks costs are not updated:

Activity ID	Duration % Complete	At Completion Duration	Activity Type	Actual Labor Units	Remaining Labor Units	At Completion Labor Units	Actual Labor Cost	Remaining Labor Cost	At Completion Labor Cost
LOE Updating									
A1000	50%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1010	0%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1030	25%	20d	Level of Effort	5d	15d	20d	\$0	\$19,200	\$19,200
A1040	25%	20d	Task Dependent	5d	15d	20d	\$4,800	\$14,400	\$19,200
A1050	25%	20d	WBS Summary	5d	15d	20d	\$0	\$19,200	\$19,200

LOE, Task Dependant and WBS Summary task Units are updated

OnlyTasks Dependant costs are updated



6 To Recalculate the Resource Costs

Now select **Tools, Recalculate Assignment Cost** and the LOE and WBS Summary Costs are recalculated:

Activity ID	Duration % Complete	At Completion Duration	Activity Type	Actual Labor Units	Remaining Labor Units	At Completion Labor Units	Actual Labor Cost	Remaining Labor Cost	At Completion Labor Cost
LOE Updating									
A1000	50%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1010	0%	10d	Task Dependent	0d	0d	0d	\$0	\$0	\$0
A1030	25%	20d	Level of Effort	5d	15d	20d	\$4,800	\$14,400	\$19,200
A1040	25%	20d	Task Dependent	5d	15d	20d	\$4,800	\$14,400	\$19,200
A1050	25%	20d	WBS Summary	5d	15d	20d	\$4,800	\$14,400	\$19,200

							Mar 18	Mar 25	Apr 01	Apr 08	Apr 15	Apr 22																														
							S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							[Gantt chart showing activity bars for A1000, A1010, A1030, A1040, and A1050 across the timeline from Mar 18 to Apr 22. A1030, A1040, and A1050 show a change in duration and cost after the Mar 25 date.]																																			

LOE and WBS Summary costs recalculated

7 Things to Remember!

Remember your activity **Duration Type** will affect your calculation of the Remaining Units and Costs.

If you have changed your resource rates then the new resource rate will be applied to the resource costs.

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