

Earned Value calculations

Guides for Merlin Project

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Earned Value calculations - as of December 2017

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Note for Merlin Project Express Users



Following functions are only available in [Merlin Project](#).

Earned Value calculations depend on the project status date

The fields reference the current project status date, so please enable first the time line (showing the project status date) to have a better understanding of the calculations.

- Proceed as explained on our [website](#).
- Check also your current project status date; [Settings](#) > [General](#) > [Status date](#)

Is it set to auto? Does Merlin show a date in grey? Then it should be today's date.
Is it set to another date? Merlin will use this as project status date.

How the Earned Value fields calculate

BCWS calculates the planned cost until the current project status date.

ACWP calculates the actual cost until the current project status date.

BCWP calculates the planned cost for the current completion. Merlin takes the actual completion and looks at the planned values (grey bars) to calculate how high the costs would have been if the planned bars were at the same completion.

Schedule variance calculates $BCWP - BCWS$

Cost variance calculates $BCWP - ACWP$

Cost performance index (CPI) calculates $BCWP / ACWP$

Total cost estimate calculates $ACWP + ((PlannedCost - BCWP) / CPI)$

Variance at completion calculates $PlannedCost - TotalCostEstimate$

IMPORTANT

All Earned Value fields only include values until the current project status date!