



Earned Value

Instructions for Merlin Project

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Earned Value - Status June 2018

Earned Value	1
How the values are calculated	1

Note for Merlin Project Express users



The following functions can only be found in [Merlin Project](#).

Earned Value

The Earned Value analysis is related to the current status date.

The **columns** are related to the current **status date**, therefore

1. please switch on the **time line** first (*it shows the status date of the project*), so you have a better **overview** of the **calculations**.



See the **Time scale** guide to learn more about the time line.

2. check the set **Project Status Date**: Settings > General > Status Date

Is it set to **automatic**? Are **grey dates** displayed in Merlin Project? Then the **Status Date** is the **Today Date**.

Is it set to a **different date**? Merlin uses this date as the **status date** for the project.

How the values are calculated

BCWS corresponds to the planned costs up to the current status date in the project

ACWP corresponds to the current costs up to the current status date in the project.

BCWP indicates how high the originally planned costs were up to the current completion. Merlin uses the **current completion** and uses the **planned values** (*gray bars*) to calculate the **costs**, with the view what if the planned bars were already completed.

The **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 $PlannedCost - TotalCostEstimate$



All **Earned Value** contain only **values** up to **current status date** in the project!