

# Earned value

Guides for Merlin Project

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## Earned value - as of October 2019

How values are calculated

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## Note for Merlin Project Express users



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

The Earned Value analysis relates to the current **status date**.

For a better overview of the calculations:

1. Switch on the [time line](#) first. It shows a vertical line in the Gantt for the status date of the project.
2. Is the time line not onto **today's date**? Check the configured **project status date**: **\*Settings > General > Status Date**

Is the Status Date set to another **specific date**?

- Keep this date if entered it intentionally,
- or set to **automatic** for **today's date**.

## How values are calculated

**BCWS** corresponds to the budgeted costs up to the current status date in the project

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

**BCWP** indicates the original budget cost of work performed so far. Merlin uses the **current completion** value whereby it utilizes the **planned values** (*gray bars*) to calculate the **costs** as if the planned bars had already been completed.

The **Schedule Variance** is calculated from: **BCWP - BCWS**

The **Cost Variance** is calculated from: **BCWP - ACWP**

The **Cost Performance Index (CPI)** is calculated from: **BCWP/ACWP**

The **Total Cost Estimate** is calculated from: **ACWP + ((Planned Costs - BCWP) / CPI)**

The **Variance at Completion** is calculated from: **Planned Costs - Total Cost Estimate**



All **Earned Value fields** contain only **values** up to the project's **current status date**.