I. Indicate changes

To make it easier to monitor a project, it is essential to provide a history indicating the changes made when a new version is published.

1. When?

You can either date something, or version it, in which case the version number can be dated.

Example I.1 (Dating new products). *The \tdocdate macro is used to indicate a date in the margin, as in the following example.*

```
Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...

\medskip % CAUTION! This prevents overlapping.

\tdocdate{2023-09-24}

Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...

\medskip % CAUTION! This prevents overlapping.

\tdocdate[gray]{2020-05-08}

Bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli...

Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...

Blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu...
```

This gives :

━━━━━━━━━ *Start of the real output* ━━━━━━━━━

Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...

2023-09-24 Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...

2020-05-08 Bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli...
Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...
Blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu...

━━━━━━━━━ *End of the real output* ━━━━━━━━━

Example I.2 (Versioning new features, possibly with a date). *Associating a version number with a new feature is done using the \tdocversion macro, with the colour and date being optional arguments.*

```
\tdocversion[red]{10.2.0-beta}[2023-12-01]

Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...

\bigskip % CAUTION! This prevents overlapping.

\tdocversion{10.2.0-alpha}

Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble,
ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble,
ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble,
ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...
```

This gives :

———————————— *Start of the real output* ————————————

Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...

Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...

———————————— *End of the real output* ————————————

> 🖊 **Important.**
>
> *1. The* `\tdocdate` *and* `\tdocversion` *macros require two compilations.*
>
> *2. The final rendering of the dates takes into account the language detected by* `tutodoc`: *for example, if French is selected, the dates will be displayed in the format* `DD/MM/YYYY`.

> ☣ **Caution.**
>
> *Only the use of the digital format* `YYYY-MM-DD` *is verified,* [a] *and this is a choice! Why? Quite simply because dating and versioning explanations should be done semi-automatically to avoid any human bugs.*
>
> ———————————
>
> [a]Technically, checking the validity of a date using LaTeX3 presents no difficulty.

> ☠ **Warning.**
>
> *Behind the scenes, most of the work is done by the* `\marginnote` *macro in the eponymous package. The* `\tdocdate` *and* `\tdocversion` *macros therefore suffer from the same side effects as in the following example. However, these problems can be solved using an optional argument* `<vertical-displacement>`, *as at the end of the following example. It's ugly, but functional.*

```
\tdocversion[red]{1.2.3}[2024-10-29]%
\paragraph{Before it's problematic.}
Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...


\paragraph{After it's misplaced}%
\tdocversion[red]{1.2.3}[2024-10-29]

Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...


\paragraph{No miracle solution.\tdocversion[red]{1.2.3}[2024-10-29]}

Bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli,
bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli,
bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli,
bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli...


\paragraph{Manual problem management.\tdocversion{1.2.3}[2024-10-29]<-.7cm>}

Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...
```

This gives :

Before it's problematic.

Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...

After it's misplaced

Ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble, ble...

No miracle solution.

Bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli, bli...

Manual problem management. <-.7cm>

Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...