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

10.2.0-beta 2023-12-01 *Bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla, bla...*

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, ble...*

End of the real output

Example I.3 (Caution with paragraph titles)**.** *The following example shows that a date and/or version must be placed just after a paragraph title, and not before it.*

```
\paragraph{A well-versioned title.}
\tdocversion{1.2.3}[2024-11-23]
Blah, blah, blah, blah, blah, blah, blah, blah, blah, blah, blah...
Stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay...

Stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay, stay...
Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...

\tdocdate{2024-11-23}
\paragraph{A badly versioned title.}
Blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu...
```

This gives :

Start of the real output

1.2.3
2024-11-23

A well-versioned title. *Blah, blah, blah, blah, blah, blah, blah, blah, blah, blah, blah... Stay, stay... Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...*

2024-11-23

A badly versioned title. *Blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu, blu...*

End of the real output

Example I.4 (Adjust vertical positioning)**.** *If required, you can modify the vertical offset used to place dates and versions in the margin, the default value being* $(-8\,pt)$.

```
This is what it looks like without vertical movement.

\paragraph{A home-made setting}%
\tdocversion{1.2.3}[2024-10-29]<0pt>

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

This gives :

Start of the real output

This is what it looks like without vertical movement.

1.2.3
2024-10-29

A home-made setting *Blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo, blo...*

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.