

The `prelim2e` package*

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Abstract

This package allows the marking of (preliminary) versions of a document on the output.

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1 Introduction

This package allows the marking of (preliminary) versions of a document. This is done using the command `\PrelimText`, whose expansion is added *below the footer* of every page of a document (look at the bottom of this page for an example).

2 Usage

Simply using this package via `\usepackage{prelim2e}` produces a text in the form of “Preliminary version – June 8, 1999”.

*The version number of this file is v1.22, last revised 1999/06/08.

`\PrelimText` The text is produced by the commands `\PrelimText` and `\PrelimWords`,
`\PrelimWords` which can be changed via `\renewcommand` or by using options at the
`\usepackage` command (see section 3).
The footer for this documentation was produced by changing `\PrelimWords`
to

```
\renewcommand{\PrelimWords}{%
  \textsf{prelim2e} package --
  Version \fileversion{} --
  Documentation \LaTeX{}ed%
}
```

3 Options

The package has the following options:

`draft` If this option is used a text appears below the normal pagebody. It is the default.

`final` If this option is used `prelim2e` produces no text.

`english` This sets the text to “Preliminary version”. It is the default.

New feature
1997/05/12

`french` This sets the text to “Version préliminaire”. It does not use the `french` or `babel` package.

`german` This sets the text to “Vorläufige Version”. It does not use the `german` or `babel` package.

New description
1997/05/12

`time` This adds the time at the beginning of the current `LATEX` to the text. The time is produced using the `\thistime` command, which may be provided by the `scrttime` package[2]. If you don’t use the `scrttime` package (e.g. by specifying the `scrttime` option), you must provide it yourself or by some other package.

New feature
1997/05/12

`scrttime` This loads the `scrttime` package[2] (part of the KOMA-Script bundle), which provides the `\thistime` command used by the `time` option. The `scrttime` option implies the `time` option.

All other options are passed to the `scrttime` package if the `scrttime` option is selected.

4 Required packages

The package requires the following packages:

`everyshi`[3] It is used to implement the setting of the text below the normal pagebody.

New description
1997/05/12

`scrttime`[2] It is used to typeset the current time and is needed if the `scrttime` option is selected.

5 Putting more things at the bottom

Another package you might like to use with `prelim2e` is `vrison`[4]. This allows the definition and maintenance of a version number like 3.14159 *within* \LaTeX , which can be put at the bottom of every page using `prelime2e`.

6 The implementation

```
1 <*package>
```

6.1 Initial Code

```
\if@prelim@draft \if@prelim@draft is used to flag the use of the draft or final option.
2 \newif\if@prelim@draft

\if@prelim@time \if@prelim@time is used to flag the use of the time option.
3 \newif\if@prelim@time

\if@prelim@scrttime \if@prelim@scrttime is used to flag the use of the scrttime option.
4 \newif\if@prelim@scrttime

\PrelimWords \PrelimWords holds the language-dependent text used in \PrelimText
5 \newcommand{\PrelimWords}{}

```

6.2 Declaration of options

6.2.1 draft option

The `draft` and `final` option control the behavior of `prelim2e`: Only if `final` is used in `\documentclass` or `\usepackage{prelim2e}` text is produced.

```
6 \DeclareOption{draft}{\@prelim@drafttrue}
7 \DeclareOption{final}{\@prelim@draftfalse}

```

6.2.2 Language options

`english`, `french` and `german` control the content of `\PrelimWords`.

```
8 \DeclareOption{english}{%
9   \renewcommand{\PrelimWords}{Preliminary version}}
10 \DeclareOption{french}{%
11   \renewcommand{\PrelimWords}{Version pr'eliminaire}}
12 \DeclareOption{german}{%
13   \renewcommand{\PrelimWords}{Vorl\"aufige Version}}

```

6.2.3 Time options

`time` controls the output of the current time at `\PrelimWords`.

```
14 \DeclareOption{time}{\@prelim@timetrue}
    scrttime controls the loading of the scrttime package. It implies time.
15 \DeclareOption{scrttime}{\@prelim@scrtimetrue\@prelim@timetrue}

```

6.2.4 Other options

All unused options are passed to the `scrttime` package if the `scrttime` option is selected.

```
16 \DeclareOption*{%
17   \if@prelim@scrttime
18     \PassOptionsToPackage{\CurrentOption}{scrttime}%
19   \fi
20 }
```

6.3 Executing options

The default options are `draft` and `english`.

```
21 \ExecuteOptions{draft,english}
22 \ProcessOptions\relax
```

6.4 Loading packages

We need the `everyshi` package—and `scrttime`, if the `scrttime` option is specified.

```
23 \RequirePackage{everyshi}[1995/01/25]
24 \if@prelim@scrttime
25   \RequirePackage{scrttime}
26 \fi
```

6.5 Producing the text

`\PrelimText` `\PrelimText` produces the text which is put below the page. It can be changed via `\renewcommand`. The style of the text is controlled by `\PrelimTextStyle`. We first have to reset the style and size, otherwise the settings in effect at the point of text where `\ouput` is called would be used.

```
27 \newcommand{\PrelimText}{%
28   \textnormal{%
29     \footnotesize%
30     \PrelimTextStyle%
31     \PrelimWords{} -- \today
32     \if@prelim@time
33       \ -- \thistime
34     \fi
35   }%
36 }
```

`\PrelimTextStyle` `\PrelimTextStyle` controls the style of the text produced by `\PrelimText`. It's default is empty.

```
37 \newcommand{\PrelimTextStyle}{}%
```

6.6 Putting the text below the page

We put the text below the page via `\EveryShipout` provided by the `everyshi` package. This is done by `\@Prelim@EveryShipout`.

`\@Prelim@EveryShipout` `\@Prelim@EveryShipout` puts the text produced by `\PrelimText` below the page. To do this we modify `\box255`: We append a `\vbox` with height and depth of 0pt and the width of `\box255` which contains a `\hbox` with the width of `\box255` in which `\PrelimText` is centered.

```
38 \newcommand{\@Prelim@EveryShipout}{
39   \bgroup
```

First we save the dimensions of `\box255`: height, width and depth; and calculate the total height of `\box255`.

```
40   \dimen\z@=\wd\@cclv
41   \dimen\@ne=\ht\@cclv
42   \dimen\tw@=\dp\@cclv
43   \dimen\thr@=\dimen1
44   \advance\dimen\thr@@ by \dimen\tw@
```

Then we set `\box255`: A `\vbox` to the total height of `\box255`. In this a `\hbox` to the width of `\box255` is included, in which `\box255` is set.

```
45   \global\setbox\@cclv\vbox to \dimen\thr@@{%
46     \hb@xt@\dimen\z@{%
47       \box\@cclv%
48       \hss%
49     }%
```

To this we append the text produced by `\PrelimText`. It is put in a `\vbox` to 0pt in which a `\hbox` to the width of `\box255` is included, in which `\PrelimText` is set. We have to reset `\protect` because it is set to `\noexpand` by the output routine.

```
50     \vbox to \z@{%
51       \hb@xt@\dimen\z@{%
52         \let\protect\relax
53         \hfill\PrelimText\hfill%
54       }%
55     \vss%
56   }%
57 \vss%
58 }%
```

Finally we set the dimensions of `\box255` to the values they had before `\@Prelim@EveryShipout`.

```
59   \wd\@cclv=\dimen\z@
60   \ht\@cclv=\dimen\@ne
61   \dp\@cclv=\dimen\tw@
62 \egroup
63 }
```

6.7 Tying `prelim2e` into the system

`\@Prelim@EveryShipout` is tied into the system via `\EveryShipout`. But only if the draft option is used.

```
64 \if@prelim@draft
65   \EveryShipout{\@Prelim@EveryShipout}
66 \fi
67 \</package>
```

7 Acknowledgements

The idea of this package is based on `prelim.sty`[1] for L^AT_EX 2.09 by Robert Tolksdorf (`tolk@cs.tu-berlin.de`). It provides nearly the same functionality as `prelim2e`, but in a very dirty way: it uses a modified output routine and does not work with L^AT_EX 2_ε.

The time functionality now uses the `scrttime` package by Markus Kohm (`markus.kohm@ka2.maus.de`).

Rowland Bartlett (`R.BARTLETT@liverpool-john-moores.ac.uk`) brought forth the idea of separating the time option and the `scrttime` package; and Daniel Courjon (`dcourjon@utinam.univ-fcomte.fr`) provided the text for the french option.

As usual Rebecca Stiels improved the quality of this documentation.

References

- [1] Mats Dahlgren. `vrson` – a L^AT_EX Macro for version Numbering of Files. CTAN:`tex-archive/macros/latex/contrib/supported/vrson/vrson.dtx`. L^AT_EX 2_ε package.
- [2] Markus Kohm. The KOMA-timedate-bundle. CTAN:`tex-archive/macros/latex/contrib/supported/koma-script/scrttime.dtx`. L^AT_EX 2_ε package.
- [3] Martin Schröder. The `everyshi` package. CTAN:`tex-archive/macros/latex/contrib/supported/ms/everyshi.dtx`. L^AT_EX 2_ε package.
- [4] Robert Tolksdorf. Kennzeichnung von Vorversionen eines Dokuments. CTAN:`tex-archive/macros/latex209/contrib/prelim/`. L^AT_EX 2.09 package.

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Numbers written in *italic* refer to the page where the corresponding entry is described, the ones underlined> to the code line of the definition, the rest to the code lines where the entry is used.

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Change History

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