

The `prelim2e` package*

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May 30, 2009

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 – May 30, 2009”.

`\PrelimText` The text is produced by the commands `\PrelimText` and `\PrelimWords`, which

`\PrelimWords` 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 (\svnInfoRevision) --
  Documentation \LaTeX{}ed%
}
```

3 Options

The package has the following options:

- | | |
|---|---|
| New feature
2001/02/17 | <code>danish</code> This sets the text to “Foreløbig version”. It does not use the <code>babel</code> package. |
| | <code>draft</code> If this option is used a text appears below the normal pagebody. It is the default. |
| | <code>final</code> If this option is used <code>prelim2e</code> produces no text. |
| | <code>english</code> This sets the text to “Preliminary version”. It is the default. |
| New feature
1997/05/12 | <code>french</code> This sets the text to “Version préliminaire”. It does not use the <code>french</code> or <code>babel</code> package. |
| | <code>german</code> This sets the text to “Vorläufige Version”. It does not use the <code>german</code> or <code>babel</code> package. |
| | <code>italian</code> This sets the text to “Versione preliminare”. It does not use the <code>babel</code> package. |
| New feature
2001/02/17
New feature
2009/05/29
New description
1997/05/12 | <code>norsk</code> This sets the text to “Foreløpig versjon”. It does not use the <code>babel</code> package. |
| | <code>time</code> This adds the time at the beginning of the current \LaTeX to the text. The time is produced using the <code>\thistime</code> command, which may be provided by the <code>scrttime</code> package ^[2] . If you don’t use the <code>scrttime</code> package (e. g. by specifying the <code>scrttime</code> option), you must provide it yourself or by some other package. |
| New feature
1997/05/12 | <code>scrttime</code> This loads the <code>scrttime</code> package ^[2] (part of the KOMA-Script bundle), which provides the <code>\thistime</code> command used by the <code>time</code> option. The <code>scrttime</code> option implies the <code>time</code> 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:

- | | |
|-------------------------------|--|
| New description
1997/05/12 | <code>everyshi</code> ^[3] It is used to implement the setting of the text below the normal pagebody. |
| | <code>scrttime</code> ^[2] It is used to typeset the current time and is needed if the <code>scrttime</code> option is selected. |

^{*}The version number of this file is v1.3, subversion revision #1374, last revised May 30, 2009.

5 Putting more things at the bottom

Another package you might like to use with `prelim2e` is `vrslon`^[4]. This allows the definition and maintenance of a version number like 3.14159 *within L^AT_EX*, which can be put at the bottom of every page using `prelme2e`.

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@draftrue}
7 \DeclareOption{final}{\@prelim@draftrue}

```

6.2.2 Language options

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

```
8 \DeclareOption{danish}{%
9   \renewcommand{\PrelimWords}{Forel\o{}big version}}
10 \DeclareOption{english}{%
11   \renewcommand{\PrelimWords}{Preliminary version}}
12 \DeclareOption{french}{%
13   \renewcommand{\PrelimWords}{Version pr'elimaire}}
14 \DeclareOption{german}{%
15   \renewcommand{\PrelimWords}{Vorl"aufige Version}}
16 \DeclareOption{italian}{%
17   \renewcommand{\PrelimWords}{Versione preliminare}}
18 \DeclareOption{norsk}{%
19   \renewcommand{\PrelimWords}{Forel\o{}pig versjon}}

```

6.2.3 Time options

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

```
20 \DeclareOption{time}{\@prelim@timetrue}
```

`scrttime` controls the loading of the `scrttime` package. It implies `time`.

```
21 \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.

```
22 \DeclareOption*{%
23   \if@prelim@scrttime
24     \PassOptionsToPackage{\CurrentOption}{scrttime}%
25   \fi
26 }
```

6.3 Executing options

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

```
27 \ExecuteOptions{draft,english}
28 \ProcessOptions\relax
```

6.4 Loading packages

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

```
29 \RequirePackage{everyshi}[1995/01/25]
30 \if@prelim@scrttime
31   \RequirePackage{scrttime}
32 \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.

```
33 \newcommand{\PrelimText}{%
34   \textnormal{%
35     \footnotesize
36     \PrelimTextStyle
37     \PrelimWords{ } -- \today
38     \if@prelim@time
39       \ -- \thistime
40     \fi
41   }%
42 }
```

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

```
43 \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.

```
44 \newcommand{\@Prelim@EveryShipout}{%
45   \bgroup
```

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

```
46   \dimen\z@=\wd\@cclv
47   \dimen\@ne=\ht\@cclv
48   \dimen\tw@=\dp\@cclv
49   \dimen\thr@=\dimen1
50   \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.

```
51   \global\setbox\@cclv\vbox to \dimen\thr@@{%
52     \hb@xt@\dimen\z@{%
53       \box\@cclv%
54       \hss
55     }%
```

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.

```
56     \vbox to \z@{%
57       \hb@xt@\dimen\z@{%
58         \let\protect\relax
59         \hfill\PrelimText\hfill
60       }%
61     \vss
62   }%
63 \vss
64 }%
```

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

```
65   \wd\@cclv=\dimen\z@
66   \ht\@cclv=\dimen\@ne
67   \dp\@cclv=\dimen\tw@
68 \egroup
69 }
```

6.7 Tying `prelim2e` into the system

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

```
70 \if@prelim@draft
71   \EveryShipout{\@Prelim@EveryShipout}
72 \fi
```

73 `\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@gmx.de`).

Rowland Bartlett (`R.BARTLETT@liverpool-john-moores.ac.uk`) brought forth the idea of separating the time option and the `scrttime` package; Daniel Courjon (`dcourjon@utinam.univ-fcomte.fr`) provided the text for the `french` option, Arne Jørgensen (`arne.jorgensen@tug.dk`) provided the text for the `danish` option, Davide Giovanni Maria Salvetti (`salve@debian.org`) and Riccardo Murri (`murri@phc.unipi.it`) both provided the text for the `italian` option, and Sveinung Heggen (`sveinung.heggen@orkla.no`) provided the text for the `norsk` option.

As usual Rebecca Stiels improved the quality of this documentation.

References

- [1] Mats Dahlgren. `vrsion` – a L^AT_EX Macro for version Numbering of Files. [CTAN:tex-archive/macros/latex/contrib/supported/vrsion/vrsion.dtx](https://ctan.org/ctan-archive/macros/latex/contrib/supported/vrsion/vrsion.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](https://ctan.org/ctan-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](https://ctan.org/ctan-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/](https://ctan.org/ctan-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; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

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(cheinz@gmx.de).	5
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