

# The `draftcopy` package\*

Dr. Jürgen Vollmer  
Viktoriastraße 15  
D-76133 Karlsruhe, Germany  
Juergen.Vollmer@acm.org

September 7, 2001; Version 2.15

## Abstract

This package is used to print on some pages the word *DRAFT* (or the language dependent analogon) “behind” the intended stuff.

## 1 Introduction

Before releasing a document you may wish to give it to others to proof read it. But it should be clear to the reader that it is still a draft version of that document. To mark this, so it could not be overseen, you can print the word *DRAFT* with big and light grey letters onto some pages. This can be done with this package.

You can specify the intensity of the gray, the range of pages onto which the word *DRAFT* is printed and where it is printed (across the page or at the bottom). The word *DRAFT* is replaced according to the language you are using, e.g. in german you get *ENTWURF*. You may also specify any word to be used instead of *DRAFT*. From now on in this document *DRAFT* stands for that word.

Credits go to the Unknown, who started this as a  $\LaTeX$  style file containing only the central `special` Postscript command printing english word *DRAFT* on each page of the document. Credits also to those, who send me translations of the word *DRAFT* and bug-reports and bug-fixes as well ideas for more functionality (see in the sources).

For *italian*, *dutch*, *finnish* and *french* two proposals exists. Have a look and change it (in the file `draftcopy.sty`, or by using `\draftcopyName`) according to your mind.

## 2 User Interface

### 2.1 Options

Options for this package are:

---

\*This is not a *DRAFT* version of this document. It's simply documentation and demonstration of the package in one document.

english, german, ...	This package accepts the language options of the <code>babel</code> package <sup>1</sup> . The <code>babel</code> package is not loaded by <code>draftcopy</code> .
none first firsttwo all bottom bottomafter	Don't print <i>DRAFT</i> across of any page. Prints <i>DRAFT</i> across only on the first page. Prints <i>DRAFT</i> across only on the first two pages. Prints <i>DRAFT</i> across on all pages of the document. Prints <i>DRAFT</i> on all pages at the bottom of the page. Prints <i>DRAFT</i> at the bottom of the pages following the pages which have <i>DRAFT</i> across them.
outline light dark	The word <i>DRAFT</i> is printed with outlined letters. The word <i>DRAFT</i> is printed with a light grey. The word <i>DRAFT</i> is printed with a dark grey.
dvips, vtex, textures, ...	This package accepts the options of the <code>graphics</code> package <sup>2</sup> . The <code>graphics</code> package is not loaded by <code>draftcopy</code> .
portrait landscape	Page is in portrait shape. Page is in landscape shape.
conditional        draft final	Obey the (global) <code>draft</code> and <code>final</code> options. If <code>conditional</code> and <code>draft</code> are given, then the <i>DRAFT</i> text is printed. If <code>conditional</code> and <code>final</code> are given, <i>DRAFT</i> is not printed. Only <code>conditional</code> is given, <i>DRAFT</i> is not printed. If <code>conditional</code> is not given then <code>draft</code> and <code>final</code> are ignored, and the <i>DRAFT</i> text is printed always. Print the <i>DRAFT</i> text. Don't print any <i>DRAFT</i> text.
timestamp	Print together with the word <i>DRAFT</i> a timestamp and the text given by the <code>draftcopyVersion</code> macro.

The default options are: *dvips,english,all,dark,portrait*, which corresponds to the behaviour of the old implementation of this package. The file `draftcopy.cfg` specifies the default Postscript driver. This specification is overruled, if the driver option is given explicitly.

## 2.2 Commands

Additionally to the options, each feature may be set by commands, which must be placed in the preamble of the document.

- `\draftcopySetGrey`
  - Set the intensity of the gray. The argument value range from 0.0 to 1.0, where the smaller values darker.
- `\draftcopyFirstPage`
  - The argument specifies the first page onto which *DRAFT* will be printed. This is the physical page number.
- `\draftcopyLastPage`
  - The argument specifies the last page onto which *DRAFT* will be printed. This is the physical page number.
- `\draftcopyName`
  - The first argument specifies the word to be printed instead of *DRAFT*, the

<sup>1</sup>Currently not all languages are supported, I still need volunteers to send me translation of the word *DRAFT* into the other languages L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>ε with its babel package supports.

<sup>2</sup>Currently only `dvips`, `dvipsone`, `dvipswindo`, and `textures` are supported. All others are mapped to `dvips`. If you are using another driver, let me know what to.

second, gives the scale factor for the font to be used. E.g. the english word *DRAFT* needs 215, the german *ENTWURF* needs 155. To add spaces in the word use the `\space` macro.

- `\draftcopySetScale` • Change the default size of the word *DRAFT*.
- `\draftcopySetScaleFactor` • Change the multiplier of the scale.
- `\draftcopyPageTransform` • and
- `\draftcopyBottomTransform` • take raw PostScript to set the LL-corner of the *DRAFT* string Use them *before* the `\begin{document}`. For code examples: Have a look to the definition of the `portrait` and `landscape` options.
- `\draftcopyPageX` • and
- `\draftcopyPageY` • are integer values specifying the coordinates starting the *DRAFT* string on the page (default 0).
- `\draftcopyBottomX` • and
- `\draftcopyBottomY` • are integer values specifying the coordinates starting the *DRAFT* string on the bottom line (default 0).
- `\draftcopyVersion` • The argument is printed together with the timestamp.

### 3 A Few Warnings

The result of printing *DRAFT* onto the page will be visible only in the Postscript output, not in the DVI output. The other text will be visible always. Sometimes *ghostview* has problems in presenting the correct result, use *ghostscript* (*gs*) instead. The printed result should always meet your intention.

Currently this package works only for Postscript and not for PDF, sorry.

### 4 Copyright

Copyright (C) 1995 Dr. Juergen Vollmer, Karlsruhe, Germany  
[Juergen.Vollmer@acm.org](mailto:Juergen.Vollmer@acm.org)

This program can be redistributed and/or modified under the terms of the LaTeX Project Public License Distributed from CTAN archives in directory `macros/latex/base/lppl.txt`; either version 1 of the License, or any later version.

If you find this software useful, please send me a postcard.

### 5 The Documentation Driver File

The next bit of code contains the documentation driver file for  $\TeX$ , i.e., the file that will produce the documentation you are currently reading. It will be extracted from this file by the `docstrip` program.

```
1 <{*driver}>
2 \documentclass[english,a4paper]{article}
3 \usepackage{doc}
```

```

4 \usepackage[latin1]{inputenc}
5 \usepackage{babel}
6 \usepackage[light,first,bottomafter]{draftcopy}
7 \RecordChanges
8 \EnableCrossrefs
9 \CodelineIndex
10 \begin{document}
11 \DocInput{draftcopy.doc}
12 \PrintChanges
13 \setcounter{IndexColumns}{2}
14 \PrintIndex
15 \end{document}
16 </driver>

```

## 6 Configuration

You should set up the default Postscript driver in the file `draftcopy.cfg`. For a reasonable value have a look to the file `graphics.cfg` from the `graphics` package. The distributed default is `dvips`.

```

17 <*config>
18 \ifx\OpMode\undefined
19 \ExecuteOptions{dvips}
20 \else
21 \ExecuteOptions{vtex}
22 \fi
23 </config>

```

## 7 The Implementation

The implementation is based on manipulating the Postscript output, using the `special` command.

What do we need, and who we are:

```

24 (*package)
25 \NeedsTeXFormat{LaTeX2e}
26 \ProvidesPackage{draftcopy}[2001/09/07 v2.15]

```

Declaration of the conditional handling options (based on an idea of Warren Smith <wds@research.nj.nec.com>).

```

27 \newif\ifdraftcopy@conditional
28 \newif\ifdraftcopy@draft
29 \newif\ifdraftcopy@final
30 \DeclareOption{conditional}{
31   \draftcopy@conditionaltrue
32 }
33 \DeclareOption{draft}{
34   \draftcopy@drafttrue
35 }
36 \DeclareOption{final}{
37   \draftcopy@finaltrue
38 }

```

Declaration of the the timestamp option.

```

39 % Compute the timestamp based on an idea of
40 % Tim Piessens \texttt{<Tim.Piessens@esat.kuleuven.ac.be>}.
41 % \begin{macrocode*}
42 \def\draftcopy@Timestamp{}
43 \def\draftcopy@version{}
44 \newcount\draftcopy@hour\newcount\draftcopy@minute
45 \draftcopy@hour=\time\divide\draftcopy@hourby60
46 \draftcopy@minute=\time
47 \count99=\draftcopy@hour\multiply\count99by60
48 \advance\draftcopy@minuteby\count99
49 \newcommand{\draftcopy@daytime}{%
50 \ifnum\draftcopy@hour=0\else\ifnum\draftcopy@hour<10\fi%
51 \number\draftcopy@hour\fi:%
52 \ifnum\draftcopy@minute<10\fi\number\draftcopy@minute%
53 }
54
55 \DeclareOption{timestamp}{
56 \def\draftcopy@Timestamp{%
57 \draftcopy@Show
58 \draftcopy@PageX\draftcopy@PageY-40\addmoveto
59 /Times-Roman\findfont\50\draftcopy@ScaleFactor\mul\scalefont\setfont
60 (\draftcopy@version\today--\draftcopy@daytime)
61 }
62 }

```

Declaration of various graphic driver options. Different DVI driver use different names :- (

```

63 % VTEX-support: Thanks to "MicroPress Inc." <support@micropress-inc.com>
64 \let\immediate@special=\special
65 \DeclareOption{vtex}{
66 \def\immediate@special{\immediate\special}
67 \immediate@special{!bop-hook bop-hook}
68 \def\draftcopy@BOPhook{/bop-hook}
69 \def\draftcopy@UserDictCmd{pS: userdict }
70 % MV & AK <mv@micropress-inc.com>
71 }
72 \DeclareOption{dvips}{
73 \def\draftcopy@BOPhook{/bop-hook}
74 \def\draftcopy@UserDictCmd{! userdict }
75 }
76 \DeclareOption{dvipsone}{
77 % thanks to V. P. Stokes <virgil.stokes@neuro.ki.se>
78 % thanks to Y&Y Help Line <support@YandY.com>
79 % thanks to "H. Salehfar" <hsalehfa@sage.und.nodak.edu>
80 \def\draftcopy@BOPhook{/bhook}
81 \def\draftcopy@UserDictCmd{! dvidict}
82 }
83 \DeclareOption{textures}{
84 % thanks to Jerome LAURENS \texttt{laurens@u-bourgogne.fr}
85 \def\draftcopy@BOPhook{/bop-hook}
86 \def\draftcopy@UserDictCmd{prepostscript userdict}
87 }
88
89 \DeclareOption{dviwindo}{\ExecuteOptions{dvipsone}}

```

```

90
91 % For the following |dvips| will be used. I don't know it better.
92 \DeclareOption{xdvi}{\ExecuteOptions{dvips}}
93 \DeclareOption{dvi2ps}{\ExecuteOptions{dvips}}
94 \DeclareOption{dvialw}{\ExecuteOptions{dvips}}
95 \DeclareOption{dvilaser}{\ExecuteOptions{dvips}}
96 \DeclareOption{dvitops}{\ExecuteOptions{dvips}}
97 \DeclareOption{emtex}{\ExecuteOptions{dvips}}
98 \DeclareOption{dviwin}{\ExecuteOptions{dvips}}
99 \DeclareOption{oztex}{\ExecuteOptions{dvips}}
100 \DeclareOption{psprint}{\ExecuteOptions{dvips}}
101 \DeclareOption{pubps}{\ExecuteOptions{dvips}}
102 \DeclareOption{pctexps}{\ExecuteOptions{dvips}}
103 \DeclareOption{pctexwin}{\ExecuteOptions{dvips}}
104 \DeclareOption{pctexhp}{\ExecuteOptions{dvips}}
105 \DeclareOption{ln}{\ExecuteOptions{dvips}}

```

To printed the word *DRAFT* in outlined letter or normal letters we use different methods of showing text: Normal letters are printed using the PostScript `show` command. Outlined letters are printed using `charpath` and `stroke` (See the example in the *red* PostScript book). The idea for this option is from Harriet B. Borton <bortonh@rpi.edu>

```

106 \def\draftcopy@Show{show}
107 \DeclareOption{outline}{
108   \def\draftcopy@Show{false charpath 2 setlinewidth stroke}
109 }

```

Here we define the options for setting the intensity of the gray. Smaller values mean darker.

```

110 \DeclareOption{light}{
111   \def\draftcopy@GrayValue{0.90}
112 }
113
114 \DeclareOption{dark}{
115   \def\draftcopy@GrayValue{0.85}
116 }

```

Here we define the options, which specify the range of pages where *DRAFT* will be printed across pages. We use the Postscript variable `draftcopy-LastPage` to store the number.

```

117 \DeclareOption{none}{
118   \def\draftcopy@LastPage{0}
119 }
120 \DeclareOption{first}{
121   \def\draftcopy@LastPage{1}
122 }
123 \DeclareOption{firsttwo}{
124   \def\draftcopy@LastPage{2}
125 }
126 \DeclareOption{all}{
127   \def\draftcopy@LastPage{99999}
128 }

```

The option to print *DRAFT* at the bottom of all pages. The idea for the bottom options and the corresponding PostScript code is from Paolo Jenne

<Paolo.Ienne@di.epfl.ch>.

```
129 \newif\ifdraftcopy@bottom
130 \DeclareOption{bottom}{
131   \draftcopy@bottomtrue
132 }
```

The option to print *DRAFT* at the bottom of the page, after the initial pages containing *DRAFT* printed across of a page.

```
133 \newif\ifdraftcopy@bottomAfter
134 \DeclareOption{bottomafter}{
135   \draftcopy@bottomAftertrue
136 }
```

Define the word *DRAFT* and its scaling, in case no language option is given. The Postscript variable `draftcopy@Name` holds the word for *DRAFT* of that language and `draftcopy@Scale` is a font scale factor, it must be determined empirically.

```
137 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
```

The babel language options are honored, even currently not all of them have a translation for the word *DRAFT*. Most of them use latin characters, hence we use Times-Roman. The macro `draftcopy@Font` holds the font name.

```
138 \def\draftcopy@Font{/Times-Roman}
139 \DeclareOption{american}{
140   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
141 }
142 \DeclareOption{austrian}{
143   \def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
144 }
145 \DeclareOption{bahasa}{
146   \thanks{to Glenn G. Chappell <gchappell@semovm.semo.edu>}
147   \def\draftcopy@Name{DRAF}\def\draftcopy@Scale{217}
148 }
149 \DeclareOption{brazil}{
150   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
151 }
152 \DeclareOption{brazilian}{
153   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
154 }
155 \DeclareOption{breton}{
156   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
157 }
158 \DeclareOption{british}{
159   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
160 }
161 \DeclareOption{catalan}{
162   \thanks{to Dav <davpuig@mx3.redestb.es>}
163   \thanks{to Xavier <xml@mat.upc.es>}
164   \def\draftcopy@Name{ESBORRANY}\def\draftcopy@Scale{110}
165 }
166 \DeclareOption{croatian}{
167   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
168 }
169 \DeclareOption{czech}{
170   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
```

```

171 }
172 \DeclareOption{danish}{
173   \u%thanks_to_Ejnar_Zacho_Rath<ezr@md-oss.dk>,
174   \u%thanks_to_Bjarne_Vestergaard<bvbruder@dfi.aau.dk>
175   \u%thanks_to_Joergen_Larsen<JL@mmf.ruc.dk>
176   \def\draftcopy@Name{UDKAST}\def\draftcopy@Scale{175}
177 }
178 \DeclareOption{dutch}{
179   \u%thanks_to_Kees_Leune<C.J.Leune@kub.nl>
180   \u%def\draftcopy@Name{CONCEPT}\def\draftcopy@Scale{150}
181   \u%thanks_to_Anton_Stoorvogel<wscoas@as.win.tue.nl>\u%proposed
182   \def\draftcopy@Name{ONTWERP}\def\draftcopy@Scale{150}
183 }
184 \DeclareOption{english}{
185   \u%def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
186 }
187 \DeclareOption{esperanto}{
188   \u%thanks_to_Stephan_B_Webanck<webanck@mpiz-koeln.mpg.de>
189   \u%def\draftcopy@Name{MALNETO}\def\draftcopy@Scale{160}
190 }
191 \DeclareOption{estonian}{
192   \u%thanks_to_DAVID_FEEST<mirka!mausgoe.central.de!
193   \u%ugOe.maus.de!David_Feest@uranus.central.de>
194   \u%def\draftcopy@Name{VISAND}\def\draftcopy@Scale{215}
195 }
196 \DeclareOption{finnish}{
197   \u%thanks_to_Jaakko_Ruohio<jjruohio@boojum.hut.fi>
198   \u%def\draftcopy@Name{LUONNOS}\def\draftcopy@Scale{200}
199   \u%thanks_to_Mika_Grundstroem<mikagr@spittari.cs.tut.fi>
200   \u%def\draftcopy@Name{VEDOS}\def\draftcopy@Scale{220}
201 }
202 \DeclareOption{français}{
203   \u%thanks_to_Christophe_Couvreur<couvreur@Thor.fpms.ac.be>
204   \u%def\draftcopy@Name{BROUILLON}\def\draftcopy@Scale{120}
205 }
206 \DeclareOption{french}{
207   \u%thanks_to_Christophe_Couvreur<couvreur@Thor.fpms.ac.be>
208   \u%def\draftcopy@Name{BROUILLON}\def\draftcopy@Scale{120}
209   \u%thanks_to_Marc_Torzynski<marc@snoopy.u-strasbg.fr>
210   \u%def\draftcopy@Name{EPREUVE}\def\draftcopy@Scale{120}
211 }
212 \DeclareOption{galician}{
213   \u%def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
214 }
215 \DeclareOption{german}{
216   \u%def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
217 }
218 \DeclareOption{germanb}{
219   \u%def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
220 }
221 \DeclareOption{greek}{
222   \u%thanks_to_Apostolos_Syropoulos<apostolo@ocean1.ee.duth.gr>
223   \u%def\draftcopy@Name{PROSCEDIO}\def\draftcopy@Scale{85}
224   \u%def\draftcopy@Font{/Symbol}

```

```

225 }
226 \DeclareOption{hungarian}{
227 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
228 }
229 \DeclareOption{icelandic}{
230 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
231 \def\draftcopy@DRÖG
232 \def\draftcopy@Erlendur_S_Thorsteinsson<esth@cmu.edu>
233 \def\draftcopy@does_anybody_knows_how_to_create_PostScript_for_that_letter_Ö?
234 }
235 \DeclareOption{irish}{
236 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
237 \def\draftcopy@DRÉACHT
238 \def\draftcopy@Breandán_Ó_Nualláin<bon@kotona.demon.nl>
239 \def\draftcopy@does_anybody_knows_how_to_create_PostScript_for_that_letter_É?
240 }
241 \DeclareOption{italian}{
242 \def\draftcopy@thanks_to_Fabio_Massacci<Fabio.Massacci@cl.cam.ac.uk>
243 \def\draftcopy@thanks_to_Paolo_Dell'Aquila<d1le07k1@mo.nettuno.it>
244 \def\draftcopy@Name{BOZZA}\def\draftcopy@Scale{215}
245 \def\draftcopy@thanks_to_Giuseppe_De_Arcangelis<gdearc@serifos.caspur.it>
246 \def\draftcopy@Name{brutta_copia}\def\draftcopy@Scale{80}
247 }
248 \DeclareOption{lowersorbian}{
249 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
250 }
251 \DeclareOption{magyar}{
252 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
253 }
254 \DeclareOption{norsk}{
255 \def\draftcopy@thanks_to_Dag_Langmyhr<dag@ifi.uio.no>
256 \def\draftcopy@Name{UTKAST}\def\draftcopy@Scale{178}
257 }
258 \DeclareOption{nynorsk}{
259 \def\draftcopy@thanks_to_Dag_Langmyhr<dag@ifi.uio.no>
260 \def\draftcopy@Name{FRAMLEGG}\def\draftcopy@Scale{129}
261 }
262 \DeclareOption{polish}{
263 \def\draftcopy@thanks_to_Piotr_Chrusciel<piotr@gargan.math.univ-tours.fr>
264 \def\draftcopy@Name{BRUDNOPIS}\def\draftcopy@Scale{120}
265 }
266 \DeclareOption{portuges}{
267 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
268 }
269 \DeclareOption{portuguese}{
270 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
271 }
272 \DeclareOption{romanian}{
273 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
274 }
275 \DeclareOption{scottish}{
276 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
277 }
278 \DeclareOption{spanish}{

```

```

279 \def\thanks_to:TomasBautista<bautista@cma.ulpgc.es>
280 \def\draftcopy@Name{BORRADOR}\def\draftcopy@Scale{120}
281 }
282 \DeclareOption{slovak}{
283 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
284 }
285 \DeclareOption{slovene}{
286 \def\thanks_to:brodrik@pegam.mat.uni-lj.si<AndrejBrodrik>
287 \def\draftcopy@Name{OSNUTEK}\def\draftcopy@Scale{120}
288 }
289 \DeclareOption{swedish}{
290 \def\thanks_to:matsd@physchem.kth.se>
291 \def\draftcopy@Name{UTKAST}\def\draftcopy@Scale{185}
292 }
293 \DeclareOption{turkish}{
294 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
295 }
296 \DeclareOption{uppersorbian}{
297 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
298 }

```

Declare the page orientation options.

```

299 \DeclareOption{portrait}{
300 % thanks to Ross MOORE \texttt{ross@maths.mq.edu.au}>
301 \def\draftcopy@PageTranslate{200 70 translate 65 rotate}
302 \def\draftcopy@BottomTranslate{0 25 translate}
303 \def\draftcopy@ScaleFactor{1 }
304 }
305 \DeclareOption{landscape}{
306 % thanks to Ross MOORE \texttt{ross@maths.mq.edu.au}>
307 \def\draftcopy@PageTranslate{70 450 translate 25 neg rotate}
308 \def\draftcopy@BottomTranslate{25 650 translate 90 neg rotate}
309 \def\draftcopy@ScaleFactor{0.6 }
310 }

```

Use these default options,

```

311 \ExecuteOptions{dark,all,english,portrait}

```

instead of dvips use the graphics driver specified in the configuration file,

```

312 \input{draftcopy.cfg}

```

and the process the user options.

```

313 \ProcessOptions

```

Tell the user what's ongoing.

```

314 \typeout{Prints \draftcopy@Name\space on pages;
315 does not show in your DVI viewer}

```

`\draftcopyVersion` Set the Version text to be printed together with a timestamp

```

316 \newcommand{\draftcopyVersion}[1]{
317 \def\draftcopy@version{#1}
318 }

```

`\draftcopySetGrey` Set the intensity of the gray, values range from 0.0 to 1.0, where the smaller values darker. If used, it must be conatined in the preamble of the document.

```

319 \newcommand{\draftcopySetGrey}[1]{

```

```

320 \def\draftcopy@GrayValue{#1}
321 }

\draftcopySetScale Set the size (scale) of the word DRAFT. You may need this, if you use another
paper format. The default scales are for A4 paper. If used, it must be conatined
in the preamble of the document.
322 \newcommand{\draftcopySetScale}[1]{
323 \def\draftcopy@Scale{#1}
324 }

\draftcopySetScaleFactor Set the scale muliplier of the scale.
325 \newcommand{\draftcopySetScaleFactor}[1]{
326 \ll\def\draftcopy@ScaleFactor{#1\ll}
327 }

\draftcopyFirstPage The argument specifies the first page onto which DRAFT will be printed. This
is the physical page number. If used, it must be conatined in the preamble of
the document.
328 \def\draftcopy@FirstPage{0}
329 \newcommand{\draftcopyFirstPage}[1]{
330 \def\draftcopy@FirstPage{#1}
331 }

\draftcopyLastPage The argument specifies the last page onto which DRAFT will be printed. This
is the physical page number. If used, it must be conatined in the preamble of
the document.
332 \newcommand{\draftcopyLastPage}[1]{
333 \def\draftcopy@LastPage{#1}
334 }

\draftcopyName The first argument specifies the word to be printed instead of DRAFT, the
second, gives the scale factor for the font to be used. E.g. the english word
DRAFT needs 215, the german ENTWURF needs 155. Note we need the blank
after the #2. If used, it must be conatined in the preamble of the document.
335 \newcommand{\draftcopyName}[2]{
336 \ll\def\draftcopy@Name{#1}
337 \ll\def\draftcopy@Scale{#2}
338 }

\@draftcopyTilde If a  $\tilde$  is used as argument of \draftcopyName, we have to supress expansion of
it. We replace it by a simple space. Here we store the original meaning of  $\tilde$  so
that it can be restored after setting up the Postscript code.
339 \let\@draftcopyTilde~

\draftcopyPageTransform These next 2 commands take raw PostScript to set the LL-corner of the DRAFT
string
340 \newcommand{\draftcopyPageTransform}[1]{%
341 \ll\def\draftcopy@PageTranslate{#1}%
342 }

\draftcopyBottomTransform
343 \newcommand{\draftcopyBottomTransform}[1]{%
344 \ll\def\draftcopy@BottomTranslate{#1}%
345 }

```

Based on an idea of Sergio Polini <s.polini@mclink.it>:

```
\draftcopyPageX
346 \def\draftcopy@PageX{0}
347 \newcommand{\draftcopyPageX}[1]{%
348 \def\draftcopy@PageX{#1}}%
349 }

\draftcopyPageY
350 \def\draftcopy@PageY{0}
351 \newcommand{\draftcopyPageY}[1]{%
352 \def\draftcopy@PageY{#1}}%
353 }

\draftcopyBottomX
354 \def\draftcopy@BottomX{0}
355 \newcommand{\draftcopyBottomX}[1]{%
356 \def\draftcopy@BottomX{#1}}%
357 }

\draftcopyBottomY
358 \def\draftcopy@BottomY{0}
359 \newcommand{\draftcopyBottomY}[1]{%
360 \def\draftcopy@BottomY{#1}}%
361 }
```

Compute, whether we should show the DRAFT text:

```
362 \newif\ifdraftcopy@showit
363 \ifdraftcopy@conditional
364 \ifdraftcopy@draft
365 \draftcopy@showittrue
366 \else
367 \draftcopy@showitfalse
368 \fi
369 \ifdraftcopy@final
370 \draftcopy@showitfalse
371 \fi
372 \else
373 \draftcopy@showittrue
374 \fi
```

Here we introduce some Postscript code. The dictionary *userdict* is extended with the page counter `draftcopy-CurrentPage`. Printing of *DRAFT* starts after page `\draftcopy@FirstPage`. Each time a new page starts `\draftcopy@BOPhook` is called (if it's defined). Hence we define it. First we increment the current page counter. If then the current page counter is smaller than the last page counter `\draftcopy@LastPage` we print the word contained in the  $\LaTeX$ macro `draftcopy@Name` with the font scaled with  $\LaTeX$ macro `draftcopy@Scale`.

This must be done at the beginning of the document `\AtBeginDocument`, so that the preamble commands take effect.

We redefine and restore the meaning of  $\tau$  which may be used in the `\draftcopy@Name`, using `\let`. This allows to use `\today` as `\draftcopy@Name` for languages like e.g. german, which separates the day and the month by  $\tau$

The size of the word *DRAFT* is given by `\draftcopy@Scale` and multiplied by `\draftcopy@ScaleFactor`, which is needed to different page heights of cover landscape and portrait orientation.

Thanks to Glenn G. Chappell `gchappell@semovm.semo.edu` for providing the `/draftcopy-old-BOPhook` suggestion, which saves a previous definition of `\draftcopy@BOPhook` and executes it too.

```

375 % Thanks to Ross Moore \texttt{ross@ics.mq.edu.au} for adding the code to
376 % preserve kine-end in the PostScript file.
377 % \begin{macrocode}
378 \ifdraftcopy@showit
379 {\obeyspaces
380 \ifdraftcopy@bottomAfter
381 \AtBeginDocument{
382 \let~\space
383 \immediate@special{\draftcopy@UserDictCmd
384 begin
385 /draftcopy-CurrentPage 0 def
386 /draftcopy-old-BOPhook { } def
387 currentdict \draftcopy@BOPhook\space known{
388 /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
389 } if
390 \draftcopy@BOPhook{
391 draftcopy-old-BOPhook
392 /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
393 draftcopy-CurrentPage \draftcopy@FirstPage ge
394 draftcopy-CurrentPage \draftcopy@LastPage le
395 and
396 { gsave \draftcopy@PageTranslate
397 \draftcopy@Font findfont
398 \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
399 \draftcopy@PageX \draftcopy@PageY moveto
400 \draftcopy@GrayValue setgray
401 (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
402 grestore
403 } if
404 draftcopy-CurrentPage \draftcopy@LastPage gt
405 { gsave \draftcopy@BottomTranslate
406 \draftcopy@Font findfont
407 25 scalefont setfont
408 \draftcopy@BottomX \draftcopy@BottomY moveto
409 \draftcopy@GrayValue setgray
410 (\draftcopy@Name\space\space--\space\space)
411 0 1 15 { pop dup show } for
412 grestore
413 } if
414 } def
415 end
416 }
417 \let~\@draftcopyTilde
418 }
419 \else\ifdraftcopy@bottom
420 \AtBeginDocument{
421 \let~\space

```

```

422 \immediate@special{\draftcopy@UserDictCmd
423   begin
424   /draftcopy-CurrentPage 0 def
425   /draftcopy-old-BOPhook { } def
426   currentdict \draftcopy@BOPhook\space known{
427     /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
428   } if
429   \draftcopy@BOPhook{
430     draftcopy-old-BOPhook
431     /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
432     draftcopy-CurrentPage \draftcopy@FirstPage ge
433     draftcopy-CurrentPage \draftcopy@LastPage le
434     and
435     { gsave \draftcopy@PageTranslate
436       \draftcopy@Font findfont
437       \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
438       \draftcopy@PageX \draftcopy@PageY moveto
439       \draftcopy@GrayValue setgray
440       (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
441       grestore
442     }if
443     gsave \draftcopy@BottomTranslate
444     \draftcopy@Font findfont
445     25 scalefont setfont
446     \draftcopy@BottomX \draftcopy@BottomY moveto
447     \draftcopy@GrayValue setgray
448     (\draftcopy@Name\space\space--\space\space)
449     0 1 15 { pop dup show } for
450     grestore
451   } def
452   end
453 }
454 \let~\@draftcopyTilde
455 }
456 \else
457 \AtBeginDocument{
458   \let~\space
459   \immediate@special{\draftcopy@UserDictCmd
460     begin
461     /draftcopy-CurrentPage 0 def
462     /draftcopy-old-BOPhook { } def
463     currentdict \draftcopy@BOPhook\space known{
464       /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
465     } if
466     \draftcopy@BOPhook{
467       draftcopy-old-BOPhook
468       /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
469       draftcopy-CurrentPage \draftcopy@FirstPage ge
470       draftcopy-CurrentPage \draftcopy@LastPage le
471       and
472       { gsave \draftcopy@PageTranslate
473         \draftcopy@Font findfont
474         \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
475         \draftcopy@PageX \draftcopy@PageY moveto

```

```

476         \draftcopy@GrayValue setgray
477         (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
478         grestore
479     } if
480 } def
481 end
482 }
483 \let~\@draftcopyTilde
484 }
485 \fi\fi
486 }
487 \fi
488 \end{package}

```

## 8 Some Test Input Files

The next bit of code contains the some L<sup>A</sup>T<sub>E</sub>X input files with various options set. They will be extracted from this file by the `docstrip` program, using the `test1, ... test12` option.

```

489 <*test1>
490 \documentclass[a4paper]{article}
491 \usepackage{draftcopy}
492 \newcommand{\xx}{
493 Test 1\\This is a test page \thepage \vfill
494 This is a testpage \thepage \newpage
495 }
496 \begin{document}
497 Should print DRAFT over all pages, quite dark.\\
498 \verb/\usepackage{draftcopy}/\\
499 \xx\xx\xx\xx
500 \end{document}
501 </test1>

502 <*test2>
503 \documentclass[a4paper,german]{article}
504 \usepackage[light,first]{draftcopy}
505 \newcommand{\xx}{
506 Test2: Should print ENTWURF on the first page, light.\\
507 This is a test page \thepage \vfill
508 This is a testpage \thepage \newpage
509 }
510 \begin{document}
511 \verb/\usepackage[light,first]{draftcopy}/\\
512 \xx\xx\xx\xx
513 \end{document}
514 </test2>

515 <*test3>
516 \documentclass[a4paper,french]{article}
517 \usepackage[light,firsttwo]{draftcopy}
518 \newcommand{\xx}{
519 Test3: This is a test page \thepage \vfill
520 This is a testpage \thepage \newpage
521 }

```

```

522 \begin{document}
523 Should print BROUILLON on the first two pages, light.\\
524 \verb|\usepackage[light,firsttwo]{draftcopy}|\\
525 \xx\xx\xx\xx
526 \end{document}
527 </test3>

528 (*test4)
529 \documentclass[a4paper,danish]{article}
530 \usepackage[light,firsttwo]{draftcopy}
531 \newcommand{\xx}{
532 Test4: This is a test page \thepage \vfill
533 This is a testpage \thepage \newpage
534 }
535 \draftcopyFirstPage{2}
536 \draftcopyLastPage{3}
537 \begin{document}
538 Should print UDKAST on the second and third pages, light.\\
539 \verb|\usepackage[light,firsttwo]{draftcopy}|\\
540 \verb|\draftcopyFirstPage{2}|\\
541 \verb|\draftcopyLastPage{3}|\\
542 \xx\xx\xx\xx
543 \end{document}
544 </test4>

545 (*test5)
546 \documentclass[a4paper,dutch]{article}
547 \usepackage[none,bottom]{draftcopy}
548 \newcommand{\xx}{
549 Test5: This is a test page \thepage \vfill
550 This is a testpage \thepage \newpage
551 }
552 \begin{document}
553 Should print ONTWERP only at the bottom each page.\\
554 \verb|\usepackage[none,bottom]{draftcopy}|\\
555 \xx\xx\xx\xx
556 \end{document}
557 </test5>

558 (*test6)
559 \documentclass[a4paper,finnish]{article}
560 \usepackage[firsttwo,light,bottom]{draftcopy}
561 \newcommand{\xx}{
562 test6: This is a test page \thepage \vfill
563 This is a testpage \thepage \newpage
564 }
565 \begin{document}
566 Should print VEDOS on the first two pages, light.\\
567 Should print VEDOS at the bottom each page.\\
568 \verb|\usepackage[firsttwo,light,bottom]{draftcopy}|\\
569 \xx\xx\xx\xx
570 \end{document}
571 </test6>

572 (*test7)
573 \documentclass[a4paper,norsk]{article}
574 \usepackage[light,bottomafter]{draftcopy}

```

```

575 \newcommand{\xx}{
576 Test7: This is a test page \thepage \vfill
577 This is a testpage \thepage \newpage
578 }
579 \draftcopyFirstPage{2}
580 \draftcopyLastPage{3}
581 \begin{document}
582 Should print UTKAST on the on the pages 2 and 3, light.\\
583 Should print UTKAST on bottom of the page after the third page.\\
584 \verb\usepackage[light,bottomafter]{draftcopy}\\
585 \verb\draftcopyFirstPage{2}\\
586 \verb\draftcopyLastPage{3}\\
587 \xx\xx\xx\xx
588 \end{document}
589 </test7>

590 (*test8)
591 \documentclass[a4paper,nynorsk]{article}
592 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
593 \newcommand{\xx}{
594 Test8: This is a test page \thepage \vfill
595 This is a testpage \thepage \newpage
596 }
597 \begin{document}
598 Should print FRAMLEGG on the first two pages, light, outlined.\\
599 Should print FRAMLEGG on bottom of the page after the second page.\\
600 \verb\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}\\
601 \xx\xx\xx\xx
602 \end{document}
603 </test8>

604 (*test9)
605 \documentclass{article}
606 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
607 \newcommand{\xx}{
608 Test9: This is a test page \thepage\\
609 test~the~tilde~tilde~tilde (1 fixed space (\~{ }) between the words)\\
610 test~the~tilde~tilde~tilde (2 fixed spaces (\~{ }) between the words)\\
611 test~~~the~~~tilde~~~tilde~~~tilde (3 fixed spaces (\~{ }) between the words)
612 \vfill
613 This is a testpage \thepage \newpage
614 }
615 \draftcopyName{Release\space\space\space\today}{130}
616 \draftcopySetScale{80}
617 \begin{document}
618 Should print the word \verb+Release+ and the current date \verb|\today|
619 (in english) on the first two pages, light, outlined.\\
620 Should print the word \verb+Release+ and current date \verb|\today|
621 (in english) on bottom of the page after the second page.\\
622 Check that the lines with \~{ } have correct spacing.\\
623 \verb\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}\\
624 and \\
625 \verb\draftcopyName{Release\space\space\space\today}{130}\\
626 \verb\draftcopySetScale{80}\\
627 in the preamble

```

```

628 \xx\xx\xx\xx
629 \end{document}
630 </test9>

631 <*test10>
632 \documentclass[german]{article}
633 \usepackage{babel}
634 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
635 \newcommand{\xx}{
636 Test10: This is a test page \thepage \\\
637 test~the~tilde~tilde~tilde (1 fixed space (\~{ }) between the words)\\
638 test~~the~~tilde~~tilde~~tilde (2 fixed spaces (\~{ }) between the words)\\
639 test~~~the~~~tilde~~~tilde~~~tilde (3 fixed spaces (\~{ }) between the words)
640 \vfill
641 This is a testpage \thepage \newpage
642 }
643 \draftcopyName{\today}{130}
644 \draftcopySetScale{80}
645 \begin{document}
646 Should print the current date \verb|\today| (in german) on the first two pages,
647 light, outlined.\\
648 Should print the current date \verb|\today| (in german) on bottom of the page
649 after the second page.\\
650 Check that the lines with \~{ } have correct spacing.\\
651 \verb|\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}|\\
652 and \\
653 \verb|\draftcopyName{\today}{130}|\\
654 \verb|\draftcopySetScale{80}|\\
655 in the preamble
656 \xx\xx\xx\xx
657 \end{document}
658 </test10>

659 <*test11>
660 \documentclass[landscape,a4paper]{article}
661 \usepackage[landscape]{draftcopy}
662 \newcommand{\xx}{
663 Test 11\\This is a test page with landscape option \thepage \vfill
664 This is a testpage \thepage \newpage
665 }
666 \begin{document}
667 Should print DRAFT over all pages, quite dark.\\
668 \verb|\usepackage[landscape]{draftcopy}|\\
669 \xx\xx\xx\xx
670 \end{document}
671 </test11>

672 <*test12>
673 \documentclass[landscape,german,a4paper]{article}
674 \usepackage[landscape,bottom]{draftcopy}
675 \newcommand{\xx}{
676 Test 12\\This is a test page \thepage \vfill
677 This is a testpage \thepage \newpage
678 }
679 \begin{document}
680 Should print ENTWURF over all pages, quite dark and on the bottom and with

```

```

681 landscape orientation.\\
682 \verb|\usepackage[landscape,bottom]{draftcopy}|\
683 \xx\xx\xx\xx
684 \end{document}
685 </test12>

686 (*test13)
687 \documentclass[a4paper]{article}
688 \usepackage[conditional]{draftcopy}
689 \newcommand{\xx}{
690 Test 13\\This is a test page \thepage \vfill
691 This is a testpage \thepage \newpage
692 }
693 \begin{document}
694 Should \emph{NOT} print DRAFT since, conditional is used.\\
695 \verb|\usepackage[conditional]{draftcopy}|\
696 \xx\xx\xx\xx
697 \end{document}
698 </test13>

699 (*test14)
700 \documentclass[draft,a4paper]{article}
701 \usepackage[conditional]{draftcopy}
702 \newcommand{\xx}{
703 Test 14\\This is a test page \thepage \vfill
704 This is a testpage \thepage \newpage
705 }
706 \begin{document}
707 Should print DRAFT since, conditional and draft are used.\\
708 \verb|\usepackage[conditional]{draftcopy}|\
709 \xx\xx\xx\xx
710 \end{document}
711 </test14>

712 (*test15)
713 \documentclass[final,a4paper]{article}
714 \usepackage[conditional]{draftcopy}
715 \newcommand{\xx}{
716 Test 15\\This is a test page \thepage \vfill
717 This is a testpage \thepage \newpage
718 }
719 \begin{document}
720 Should \emph{NOT} print DRAFT since, final is used (as global option).\\
721 \verb|\usepackage{draftcopy}|\
722 \xx\xx\xx\xx
723 \end{document}
724 </test15>

725 (*test16)
726 \documentclass[a4paper,greek]{article}
727 \usepackage[timestamp,bottom]{draftcopy}
728 \newcommand{\xx}{
729 Test 16\\This is a test page \thepage \vfill
730 This is a testpage \thepage \newpage
731 }
732 \draftcopyPageX{300}
733 \draftcopyPageY{100}

```

```
734 \draftcopyBottomX{300}
735 \draftcopyBottomY{100}
736 \draftcopySetScaleFactor{0.5}
737 \draftcopyVersion{Version 2.14: }
738 \begin{document}
739 Should print DRAFT (in greek translation and greek letters)
740 on a moved position.\\
741 \verb|\usepackage[timestamp,bottom,greek]{draftcopy}|\\
742 \xx\xx\xx\xx
743 \end{document}
744 </test16>
```