

# The **skrapport** document class<sup>\*†</sup>

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Version 0.12

**Abstract** A document class intended for simple documents *e.g.* reports handed in to courses and such. It is small, straightforward and heavily inspired by the PracT<sub>E</sub>X Journal style.

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<sup>\*</sup>Available on <http://www.ctan.org/pkg/skrapport>.

<sup>†</sup>Development version available on <https://github.com/urdh/skrapport>.

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## 1 Documentation

### 1.1 Loading the class

The document class is loaded using `\documentclass` as usual, but it has a bunch of options that you might want to know about.

#### 1.1.1 Compatibility options

There are a couple of options that are mostly provided for compatibility with the standard  $\text{\LaTeX}$  2<sub>ε</sub> document classes. These will do exactly

the same thing they do in the standard classes, although they may differ in default value. Although some of these are key-value options, for compatibility their valid values may also be passed as keys.

<b>paper</b>	a4paper, a5paper (a4paper)
	Specifying paper size is possible using the paper option (the values of which are based on European paper sizes; use the geometry package for other standards). Only A4 and A5 are defined since these two sizes cover pretty much all intended use of the class. a4paper is the default value of this option, and the only other valid value is a5paper.
<b>ptsize</b>	10pt, 11pt, 12pt (11pt)
	The same font sizes specified in the standard classes are also available in skrapport (i.e. 10pt, 11pt and 12pt. The default font size is 11pt, and there should be no compelling reason to change this.
<b>draft</b>	The draft and final options work as expected, triggering or untriggering the familiar draft mode. The default is final. Purely for compatibility skrapport also defines the fleqn and leqno options. As with the standard L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> classes, fleqn aligns equations with the left-hand margin and leqno places equation numbers to the left. None of these are activated by default.
<b>final</b>	
<b>fleqn</b>	
<b>leqno</b>	

### 1.1.2 Typographic options

There is also a number of options available to change certain aspects of the typography of the typeset document.

<b>titles</b>	rm, bf, sf (rm)
	There are three different ways to typeset section headings in skrapport: rm (upright serif), bf (boldfaced serif) and sf (sans serif). The default is rm.
<b>font</b>	nofont, lmodern, palatino, kpfonts, minion, skdoc (kpfonts)
	In addition, the specific font can also be changed — the available choices are lmodern (Latin Modern), kpfonts (Kp-Fonts), minion (Adobe Minion Pro), palatino (either T <sub>E</sub> X-Gyre Pagella or Pazo Math depending on what's available) and skdoc (PT Serif and Open Sans, the style used by skdoc), with the default being kpfonts. It is also possible to tell skrapport not to use any font (nofont), which is sometimes useful when using X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X, among other things.

`indent`      Controlling indentation is possible using the options `(no)indent`. The default, `noindent`, behaves much like the `parskip` package in that it replaces paragraph indentation with vertical spacing.

`onecolumn`      Similar to the options available in the standard classes, these options specify whether to typeset the document in one or two columns. Unlike the standard classes, the two-column mode is implemented using `multicol`. The default is `onecolumn`.

`twocolumn`

### 1.1.3 Other options

`swe`      Either `babel` or `polyglossia` (depending on engine) is loaded by the package. These options specify what language should be used as the main language (swedish or english); both languages are always loaded. The default is `swe`.

`eng`

`color`      It is also possible to load `xcolor` inside the package. If this is done, a range of color themes (discussed later) will be available in the package and these will affect the document. The default value is `color`.

`nocolor`

`math`      Loading the `skmath` package is recommended and as such it is loaded by default. If this for some reason is undesirable, the `nomath` option will suppress this behaviour.

`nomath`

## 1.2 Macros and environments

In general, the class defines the same macros as the `article` class, and adds a few. Only the novel ones are described here, as the inherited ones should behave identically.

### 1.2.1 Front-matter and metadata

`\license`    `{\license}`

The `\license` macro specifies the name of a license under which the document is available. This will be typeset on the lower right corner of the title page. (**Note:** *The license will only be printed if the `titlepage` environment is used.*)

`\regarding`  $\{\langle text \rangle\}$

The class adds a `\regarding` macro, which is used like the standard `\author` and `\title` macros and should be given an accurate but short description of the purpose of the report (i.e. course name or similar). This is printed along with the date on the top of the title/first page.

`\author`  $[\langle email \rangle]\{\langle author \rangle\}$

The `\author` macro is redefined in two ways. To begin with, the macro now accepts an optional argument specifying the email address of the author. If the macro is used multiple times, authors are appended to the list of author names displayed by `\maketitle`.

`\maketitle`

The title page (or rather, block) has been refashioned to mimic the `PracTeX` Journal style. This means a fairly compact block, starting with a line of text containing the date and subject matter, followed by a large skip and then the title, author and optionally an abstract set ragged-right and fairly close together.

### 1.2.2 Useful macros

The class defines a few additional macros that aren't available in article but don't fit in any specific 'set' of features. These include commands to typeset comments.

`\comment`  $*\{\langle comment \rangle\}$

`\com`  $*\{\langle comment \rangle\}$

`\note`  $*\{\langle comment \rangle\}$

The `\comment` macro (also available in an unstarred variant) typesets a comment. The starred variant typesets the comment in red prefixed by the word 'Comment', while the unstarred variant typesets the comment as a margin note (but still prefixed). The `\com` and `\note` macros are aliases of `\comment`.

### 1.2.3 Two-column mode

`\begin{onecol}`  
    `<content>`  
`\end{onecol}`

In twocolumn mode, the package defines an environment `onecol` which typesets its contents in a single column. Additionally, it redefines `figure` and `table` as non-floats, leaving the starred versions intact.

### 1.2.4 Color themes

`\colortheme` {*`<theme>`*}

If the package is loaded with the `color` option, changing the color theme is possible using `\colortheme`, which loads an appropriate package. At the moment, four color themes are available.

- default** The default theme is fairly conservative, only coloring `hyperref` links with more readable, slightly darker colors than the standard ones. It should print well even on non-color printers.
- unscathed** The unscathed theme is based on a palette with the same name on COLOURlovers<sup>1</sup>, and applies a dark brown color to emphasized text, a rusty color to links, a darker rust color to titles and a lighter brown to quotes.
- cruelwater** The cruelwater theme is also based on a palette from COLOURlovers<sup>2</sup>, and applies a dark blue color to bold text and captions, a slightly less dark blue to titles and emphasized text, a light gray color to small print and a darker gray to quotes.
- violet** The violet theme, like unscathed and cruelwater, is based on a COLOURlovers palette<sup>3</sup>. It colors all links bright purple, applies a dark purple color to titles, bold text and captions, a grayish purple to small print, a dark brown color to quotes and a pastel violet color to emphasized text.
- skdoc** The skdoc theme is loosely based on the skdoc document class, with which this documentation is typeset.

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<sup>1</sup><http://www.colourlovers.com/palette/1440498/unscathed>

<sup>2</sup>[http://www.colourlovers.com/palette/126030/Cruel\\_Water\\_at\\_Night](http://www.colourlovers.com/palette/126030/Cruel_Water_at_Night)

<sup>3</sup>[http://www.colourlovers.com/palette/1831303/Violet\\_White\\_Bedrm](http://www.colourlovers.com/palette/1831303/Violet_White_Bedrm)

## 1.3 Additional information

The document class includes a number of packages by default. This is useful to know, since passing explicit options to these packages will require you to utilize the `\PassOptionsToPackage` macro before you load the class using `\documentclass`. Table 1 lists the packages included by `skrapport` along with their options (if applicable).

## 2 Known issues

A list of current issues is available in the Github repository of this package<sup>4</sup>, but as of the release of v0.12, there are no known issues:

If you discover any bugs in this package, please report them to the issue tracker in the `skrapport` Github repository.

## 3 Implementation

Start by including `expl3`, `l3keys2e` and some other useful packages, as well as declaring the class.

```
(class) 1 \RequirePackage{expl3,l3keys2e,xparse,xstring,etoolbox}
2 \ProvidesExplClass{skrapport}%
3 {2013/04/10}{0.11a}{stylish report document class}
```

### 3.1 Messages

Tons of messages are declared for future use.

```
(class) 4 \msg_new:nnnn{skrapport}{option-deprecated}{Option~‘#1’~deprecated!}
5 {Please~use~‘#2’~instead.}
6 \msg_new:nnnn{skrapport}{option-no-effect}{Option~‘#1’~deprecated!}
7 {It~has~no~effect;~simply~use~nothing~instead.}
8 \msg_new:nnnn{skrapport}{invalid-paper-size}{Invalid~paper~size~‘#1’!}
9 {\token_to_str:N\__skrapport_setup_paper:n~was~invoked~with~an~
```

---

<sup>4</sup><https://github.com/urdh/skrapport/issues>

**Table 1:** *User-level packages included by skrapport.*

Package	Options	Comments
amsmath	intlimits	Provides $\mathcal{AMS}$ commands and environments.
amssymb		Only if not using kpfonts.
babel	see options swe and eng	Only loaded if <i>not</i> using $\text{\LaTeX}$ .
calc		
fontenc	T1	Only loaded if <i>not</i> using $\text{\LaTeX}$ . Makes sure we are using a good font encoding for crisp appearance on-screen (OT1 is horrible).
fontspec	quiet	Only loaded if using $\text{\LaTeX}$ . Provides basic OTF font selection commands.
geometry	a4paper or a5paper	This is used by the paper option to set the paper area.
icomma		
inconsolata		
microtype		Provides micro-typographic improvements.
multicol		Only loaded with the twocolumn option.
polyglossia	see options swe and eng	Only loaded if using $\text{\LaTeX}$ .
skmath		Only if it exists and nomath isn't set.
textcomp		Only if not using kpfonts.
xcolor		Only loaded with the color option.



```

10     invalid~argument;~paper~size~will~remain~unchanged.}
11 \msg_new:nnnn{skrapport}{invalid-point-size}{Invalid~point~size~'#1'!}
12     {\token_to_str:N\__skrapport_setup_ptsize:n~was~invoked~with~an~
13     invalid~argument;~cannot~continue~without~setting~a~valid~point~
14     size.~Please~fix~the~issue~before~typesetting~again.}
15 \msg_new:nnnn{skrapport}{invalid-titles}{Invalid~title~type~'#1'!}
16     {\token_to_str:N\__skrapport_setup_titles:n~was~invoked~with~an~
17     invalid~argument;~falling~back~to~'#2'.}
18 \msg_new:nnnn{skrapport}{invalid-lang}{Invalid~language~'#1'!}
19     {\token_to_str:N\__skrapport_setup_lang:n~was~invoked~with~an~
20     invalid~argument;~'babel'~and/or~'polyglossia'~will~remain~
21     unloaded.}
22 \msg_new:nnnn{skrapport}{invalid-font}{Invalid~font~'#1'!}
23     {\token_to_str:N\__skrapport_setup_font:n~was~invoked~with~an~
24     invalid~argument;~no~font~package~has~been~loaded.~This~may~result~
25     in~bad~rendering~due~to~old~Computer~Modern~fonts.}
26 \msg_new:nnnn{skrapport}{noop-call}{No-op~invokation~of~macro!}
27     {\token_to_str:N#1~was~invoked,~but~circumstances~dictate~that~the~
28     macro~should~do~nothing.~Will~do~\token_to_str:N\prg_do_nothing:~
29     instead.}
30 \msg_new:nnnn{skrapport}{old-font-deprecated}{Deprecated~macro~\token_to_str:N#1!}
31     {The~old~font~macro~\token_to_str:N#1~is~deprecated!~Use~
32     \token_to_str:N#2~instead.}
33 \msg_new:nnnn{skrapport}{color-patch-failed}{Could~not~patch~macro~\token_to_str:N#
34     {The~macro~\token_to_str:N#1~could~not~be~patched!~Color~theme~
35     support~may~be~incomplete.}

```

This message should probably not be used at all. Except in development versions straight off Github, of course.

```

(class) 36 \msg_new:nnn{skrapport}{not-implemented}
37     {Unimplemented~macro~\token_to_str:N#1!}

```

## 3.2 Options

First, a few booleans used by parts of the option handling code.

`_skrappport_draft_bool` (no arguments)

Are we in draft mode?

```
(class) 38 \bool_new:N\g__skrappport_draft_bool
```

`_skrappport_color_bool` (no arguments)

Are we supposed to be using colors?

```
(class) 39 \bool_new:N\g__skrappport_color_bool
```

`_has_polyglossia_bool` (no arguments)

Has polyglossia been loaded?

```
(class) 40 \bool_new:N\g__skrappport_has_polyglossia_bool
```

Let's define some `\keys` corresponding to the options. Note that most of them just refer to a macro in their `.code:n` block — these macros are defined after the `\keys_define:nn` block.

```
(class) 41 \keys_define:nn{skrappport}{
```

`paper` Option with values `a4paper`, `a5paper`, `a4`, `a5`

`a4paper` (option)

`a5paper` (option)

Declare the paper size options. Note that having to handle the deprecated `a4paper` and `a5paper` values of the `paper` option makes the code less readable. In a few versions, when these options are removed, the code should probably be refactored to look something like the `ptsize` option below.

```
(class) 42 paper .choice:,
43 paper / a4 .code:n =
44     {\__skrappport_setup_paper:n{a4}},
45 paper / a5 .code:n =
46     {\__skrappport_setup_paper:n{a5}},
47 paper / a4paper .code:n =
```

```

48         {\msg_warning:nnnn{skrapport}{option-deprecated}
49          {paper=a4paper}{paper=a4}
50          \keys_set:nn{skrapport}{paper=a4}},
51     paper / a5paper .code:n =
52         {\msg_warning:nnnn{skrapport}{option-deprecated}
53          {paper=a5paper}{paper=a5}
54          \keys_set:nn{skrapport}{paper=a4}},
55     paper .value_required:,
56     paper .initial:n = a4,
57     a4paper .code:n =
58         {\msg_warning:nnnn{skrapport}{option-deprecated}
59          {a4paper}{paper=a4}
60          \keys_set:nn{skrapport}{paper=a4}},
61     a5paper .code:n =
62         {\msg_warning:nnnn{skrapport}{option-deprecated}
63          {a5paper}{paper=a5}
64          \keys_set:nn{skrapport}{paper=a5}},

```

**ptsize** Option with values 10pt, 11pt, 12pt

**10pt** (option)

**11pt** (option)

**12pt** (option)

Declare point size options. Note that we don't deprecate the non-ptsize aliases as they are much easier to type.

```

(class) 65     ptsize .choices:nn =
66           { 10pt, 11pt, 12pt }
67           {\__skrapport_setup_ptsize:x{\tl_use:N\l_keys_choice_tl}},
68     ptsize .value_required:,
69     ptsize .initial:n = 11pt,
70     10pt .meta:n = {ptsize=10pt},
71     11pt .meta:n = {ptsize=11pt},
72     12pt .meta:n = {ptsize=12pt},

```

**twocolumn** (option)

Declare column options. The code here should be run through `\AtEndClass` so that the setup code can patch everything properly.

**onecolumn** (option)

The onecolumn option has no effect and is deprecated.

```
(class) 73 twocolumn .code:n =
74         {\AtEndClass{\__skrapport_setup_twocolumn:}},
75 onecolumn .code:n =
76         {\msg_warning:nnn{skrapport}{option-no-effect}{onecolumn}},
```

**draft** Option with values `true`, `false`

**final** (option)

Declare draft and final options. Note that even if the final option does absolutely nothing, users may expect it to be there and as such it is not deprecated.

```
(class) 77 draft .choice:,
78 draft / true .code:n =
79         {\bool_gset_true:N\g__skrapport_draft_bool
80          \__skrapport_setup_draft:},
81 draft / false .code:n =
82         {\bool_gset_false:N\g__skrapport_draft_bool},
83 draft .default:n = true,
84 draft .initial:n = false,
85 final .code:n = {\prg_do_nothing:},
```

Declare the `fleqn` and `leqno` options, mainly for compatibility with the article class.

**leqno** (option)

```
(class) 86 leqno .code:n =
87         {\__skrapport_setup_leqno:},
```

**fleqn** (option)

```
(class) 88 fleqn .code:n =
89         {\__skrapport_setup_fleqn:},
```

**titles** Option with values `rm`, `bf`, `sf`

Declare options for section titles. The old ??titles aliases are deprecated and will be removed in a future version.

**rmtitles** (option)

**bftitles** (option)

**sftitles** (option)

```
(class) 90 titles .choices:nn =
          91 { rm, bf, sf }
          92 {__skrapport_setup_titles:x{\tl_use:N\l_keys_choice_tl}},
          93 titles .value_required,
          94 titles .initial:n = bf,
          95 rmtitles .code:n =
          96 {\msg_warning:nnnn{skrapport}{option-deprecated}
          97 {rmtitles}{titles=rm}
          98 \keys_set:nn{skrapport}{titles=rm}},
          99 bftitles .code:n =
         100 {\msg_warning:nnnn{skrapport}{option-deprecated}
         101 {bftitles}{titles=bf}
         102 \keys_set:nn{skrapport}{titles=bf}},
        103 sftitles .code:n =
         104 {\msg_warning:nnnn{skrapport}{option-deprecated}
         105 {sftitles}{titles=sf}
         106 \keys_set:nn{skrapport}{titles=sf}},
```

**lang** Option with values **sv**, **en**

**swe** (option)

**eng** (option)

Declare options for swedish/english babel or polyglossia support. Again, the old **swe** and **eng** aliases are deprecated and will be removed.

```
(class) 107 lang .choices:nn =
         108 { sv, en }
         109 {__skrapport_setup_lang:x{\tl_use:N\l_keys_choice_tl}},
         110 lang .value_required:,
         111 lang .initial:n = sv,
```

```

112     swe .code:n =
113         {\msg_warning:nnnn{skrapport}{option-deprecated}
114          {swe}{lang=sv}
115          \keys_set:nn{skrapport}{lang=sv}},
116     eng .code:n =
117         {\msg_warning:nnnn{skrapport}{option-deprecated}
118          {eng}{lang=en}
119          \keys_set:nn{skrapport}{lang=en}},

```

**font** Option with values `none`, `kpfonts`, `lmodern`, `palatino`, `minion`, `skdoc`

Declare font options. Again, aliases are deprecated.

**kpfonts** (option)

**lmodern** (option)

**palatino** (option)

**minion** (option)

**skdoc** (option)

**nofont** (option)

```

(class) 120     font .choices:nn =
121           { none, kpfonts, lmodern, palatino, minion, skdoc }
122           {\__skrapport_setup_font:x{\tl_use:N\l_keys_choice_tl}},
123     font .value_required:,
124     font .initial:n = kpfonts,
125     nofont .code:n =
126         {\msg_warning:nnnn{skrapport}{option-deprecated}
127          {nofont}{font=none}
128          \keys_set:nn{skrapport}{font=none}},
129     kpfonts .code:n =
130         {\msg_warning:nnnn{skrapport}{option-deprecated}
131          {kpfonts}{font=kpfonts}
132          \keys_set:nn{skrapport}{font=kpfonts}},
133     lmodern .code:n =
134         {\msg_warning:nnnn{skrapport}{option-deprecated}
135          {lmodern}{font=lmodern}

```

```

136         \keys_set:nn{skrapport}{font=lmodern}},
137     palatino .code:n =
138         {\msg_warning:nnnn{skrapport}{option-deprecated}
139          {palatino}{font=palatino}
140          \keys_set:nn{skrapport}{font=palatino}},
141     minion .code:n =
142         {\msg_warning:nnnn{skrapport}{option-deprecated}
143          {minion}{font=minion}
144          \keys_set:nn{skrapport}{font=minion}},
145     skdoc .code:n =
146         {\msg_warning:nnnn{skrapport}{option-deprecated}
147          {skdoc}{font=skdoc}
148          \keys_set:nn{skrapport}{font=skdoc}},

```

**indent** Option with values `true`, `false`

**noindent** (option)

Declare indentation options. Since the `noindent` option technically has no effect and is an alias of `indent=false`, it has been deprecated.

```

(class) 149     indent .choice:,
150         indent / true .code:n = {\prg_do_nothing:},
151         indent / false .code:n = {\__skrapport_setup_parskip:},
152         indent .default:n = true,
153         indent .initial:n = false,
154         noindent .code:n =
155             {\msg_warning:nnn{skrapport}{option-no-effect}{noindent}},

```

**color** Option with values `true`, `false`

**nocolor** (option)

Declare color options. Note that we explicitly set the boolean `\g__skrapport_color_bool` as well as setting up the colors through `\__skrapport_setup_color:n`, so that we can keep track of the color usage even after the options have been set up.

```

(class) 156     color .code:n =
157         {\str_if_eq:nnTF{#1}{false}
158          {\bool_gset_false:N\g__skrapport_color_bool}

```

```

159         {\bool_gsettrue:N\g__skrapport_color_bool
160         \str_if_eq:nnTF{#2}{true}
161         {\__skrapport_setup_color:}
162         {\__skrapport_setup_color:n{#1}}}},
163     color .default:n = true,
164     color .initial:n = true,
165     nocolor .meta:n = {color=false},

```

**nomath** Option with values `true`, `false`

**math** (option)

Declare math options. As with the `noindent` option, `math` has been deprecated since it is an alias and has no effect.

```

(class) 166     nomath .choice:,
167     nomath / false = .code:n {\__skrapport_setup_math:},
168     nomath / true = .code:n {\prg_do_nothing:},
169     nomath .default:n = true,
170     nomath .initial:n = false,
171     math .code:n =
172         {\msg_warning:nnn{skrapport}{option-no-effect}{math}},

```

That's it, we're done setting up the `l3keys` for the options. Next up is the actual setup code for all the options.

```

(class) 173 }

```

### 3.3 Option setup macros

In this section, all options declared in the previous section are implemented using setup macros. Some of these may have to be called in an appropriate order, but I haven't checked that yet.

`__skrapport_setup_paper:n` #1: Paper size (a4 or a5)

Note the extra integer, which is set up for use with `grid`.

```

(class) 174 \int_new:N\g__skrapport_grid_lines_int
(class) 175 \cs_new:Npn\__skrapport_setup_paper:n#1{

```



```
176 \str_case:nnn{#1}{
```

The two options simply consist of passing the appropriate option to the typearea package. Note that the use of typearea mean that we theoretically could accept more paper size options.

```
(class) 177 {a4}{
178 \PassOptionsToPackage{paper=A4}{typearea}
179 \int_gset:Nn\g__skrapport_grid_lines_int{40}
180 }
181 {a5}{
182 \PassOptionsToPackage{paper=A5}{typearea}
183 \int_gset:Nn\g__skrapport_grid_lines_int{28}
184 }
185 }{
```

Invalid paper sizes (such calls should never happen) are handled by issuing a warning and hoping that the default paper size is acceptable.

```
(class) 186 \msg_warning:nnn{skrapport}{invalid-paper-size}{#1}
187 }
```

The typearea package is loaded with the options specified earlier through \PassOptionsToPackage, and some additional ones.

```
(class) 188 \RequirePackage[DIV=calc]{typearea}
```

In case the point size changes later, or two column mode is activated, we recalculate the typearea just before the typesetting begins.

```
(class) 189 \AfterBeginDocument{\recalc_typearea}
190 }
```

skrapport\_setup\_ptsize:n #1: Point size (10pt, 11pt or 12pt)

The standard point sizes are defined much like in the article class, i.e. by saving a number and loading size10.clo, size11.clo or size12.clo as appropriate

```
(class) 191 \cs_new:Npn\__skrapport_setup_ptsize:n#1{
192 \str_case:nnn{#1}{
(class) 193 {10pt}{\token_new:Nn\c__skrapport_ptsize_token{0}}
```

```

194         {11pt}{\token_new:Nn\c__skrapport_ptsize_token{1}}
195         {12pt}{\token_new:Nn\c__skrapport_ptsize_token{2}}
(class) 196     }{
Invalid point sizes are critical errors, since we can't recover from them
in any reasonable way. Loading a default point size is unreasonable, since
all in-class calls to this macro should know what sizes are available, and
if you're calling it with invalid parameters from elsewhere, you should
be punished.
(class) 197     \msg_critical:nnn{skrapport}{invalid-point-size}{#1}
198     }
199     \file_input:n{skrapport-size1\c__skrapport_ptsize_token .clo}
200 }

```

`port_setup_twocolumn:` (no arguments)

Setting up for twocolumn mode is slightly complicated. Note that this macro should be called from `\AtEndClass` to ensure that we patch everything correctly. Note also that `multicol` is always loaded as it is used for the `theindex` environment.

```

(class) 201 \cs_new:Nn\__skrapport_setup_twocolumn:{
202     \RequirePackage{etoolbox}
203     \BeforeBeginDocument{
204         \KOMAOptions{twocolumn=true}
205     }

```

We include the `grid` package in two-column mode, because it looks way better that way.

```

(class) 206     \int_set:Nn\l_tmpa_int{1\c__skrapport_ptsize_token}
207     \int_set:Nn\l_tmpb_int{1.2*\l_tmpa_int}
208     \RequirePackage[fontsize=\l_tmpa_int pt,
209                     baseline=\l_tmpb_int pt,
210                     lines=\g__skrapport_grid_lines_int]{grid}

```

Now, we patch commands. First up is `abstract`.

```

(class) 211     \RenewDocumentEnvironment{abstract}{}{\section*{\abstractname}}{}

```

Then document (kind of, at least) and \maketitle.

```
(class) 212 \AfterEndPreamble{\begin{multicols}{2}}
213 \AtEndDocument{\end{multicols}}
214 \pretocmd{\maketitle}{\end{multicols}}{}{}
215 \apptocmd{\maketitle}{\begin{multicols}{2}}{}{}
```

Always typeset equation and friends outside the grid:

```
(class) 216 \BeforeBeginEnvironment{equation}{\begin{gridenv}}
217 \AfterEndEnvironment{equation}{\end{gridenv}}
218 \BeforeBeginEnvironment{equation*}{\begin{gridenv}}
219 \AfterEndEnvironment{equation*}{\end{gridenv}}
220 \BeforeBeginEnvironment{multline}{\begin{gridenv}}
221 \AfterEndEnvironment{multline}{\end{gridenv}}
222 \BeforeBeginEnvironment{multline*}{\begin{gridenv}}
223 \AfterEndEnvironment{multline*}{\end{gridenv}}
224 \BeforeBeginEnvironment{gather}{\begin{gridenv}}
225 \AfterEndEnvironment{gather}{\end{gridenv}}
226 \BeforeBeginEnvironment{gather*}{\begin{gridenv}}
227 \AfterEndEnvironment{gather*}{\end{gridenv}}
228 \BeforeBeginEnvironment{align}{\begin{gridenv}}
229 \AfterEndEnvironment{align}{\end{gridenv}}
230 \BeforeBeginEnvironment{align*}{\begin{gridenv}}
231 \AfterEndEnvironment{align*}{\end{gridenv}}
232 \BeforeBeginEnvironment{flalign}{\begin{gridenv}}
233 \AfterEndEnvironment{flalign}{\end{gridenv}}
234 \BeforeBeginEnvironment{flalign*}{\begin{gridenv}}
235 \AfterEndEnvironment{flalign*}{\end{gridenv}}
236 \BeforeBeginEnvironment{alignat}{\begin{gridenv}}
237 \AfterEndEnvironment{alignat}{\end{gridenv}}
238 \BeforeBeginEnvironment{alignat*}{\begin{gridenv}}
239 \AfterEndEnvironment{alignat*}{\end{gridenv}}
```

The figure environment is patched...

```
(class) 240 \cs_set_eq:Nc\__skrapport_old_figurest:{figure*}
241 \cs_set_eq:Nc\__skrapport_old_endfigurest:{endfigure*}
242 \RenewDocumentEnvironment{figure}{o}{
```

```

243         \begin{gridenv}
244             \vspace{\intextsep}
245             \begin{minipage}{\linewidth}
246                 \cs_set:Nn\@capttype{figure}
247     }{
248         \end{minipage}
249         \vspace{\intextsep}
250     \end{gridenv}
251 }
252 \RenewDocumentEnvironment{figure*}{o}{
253     \__skrapport_old_figurest:
254 }{
255     \__skrapport_old_endfigurest:
256 }

...as is table.
(class) 257 \cs_set_eq:Nc\__skrapport_old_tablest:{table*}
258 \cs_set_eq:Nc\__skrapport_old_endtablest:{endtable*}
259 \RenewDocumentEnvironment{table}{o}{%
260     \begin{gridenv}
261         \vspace{\intextsep}
262         \begin{minipage}{\linewidth}
263             \cs_set:Nn\@capttype{table}
264             \cs_set_eq:NN\__skrapport_old_caption:\caption
265             \RenewDocumentCommand{\caption}{om}{%
266                 \skip_set_eq:NN\l_tmpa_skip\abovecaptionskip
267                 \skip_set_eq:NN\abovecaptionskip\belowcaptionskip
268                 \skip_set_eq:NN\belowcaptionskip\l_tmpa_skip
269                 \vspace{\abovecaptionskip}
270                 \__skrapport_old_caption:[##1]{##2}
271                 \vspace{\belowcaptionskip}
272             }
273     }{
274         \end{minipage}
275         \vspace{\intextsep}
276     \end{gridenv}

```

```

277     }
278     \cs_set_eq:NN\__skrapport_old_tablest:\__skrapport_old_old_tablest:
279     \cs_set:Nn\__skrapport_old_tablest:{
280         \__skrapport_old_old_tablest:
281         \cs_set_eq:NN\__skrapport_old_caption:\caption
282         \RenewDocumentCommand{\caption}{om}{%
283             \skip_set_eq:NN\l_tmpa_skip\abovecaptionskip
284             \skip_set_eq:NN\abovecaptionskip\belowcaptionskip
285             \skip_set_eq:NN\belowcaptionskip\l_tmpa_skip
286             \vspace{\abovecaptionskip}
287             \__skrapport_old_caption:[##1]{##2}
288             \vspace{\belowcaptionskip}
289         }
290     }
291     \RenewDocumentEnvironment{table*}{o}{
292         \__skrapport_old_tablest:
293     }{
294         \__skrapport_old_endtablest:
295     }

```

**onecol** (no arguments)

Finally, we define an environment `onecol` that typesets arbitrary material in a single column. This is a bit tricky to do, and probably cargo-cult as well. We define the start of the environment to immediately end itself (with the empty ending), then end the `multicols` environment, redefine our end macro to start `multicols` as well as redefining the start of `onecol` to simply reset itself, then start the environment again only to have it ended at once.

Basically, we trick  $\text{\LaTeX}$  into thinking that we have an empty `onecol` environment at the end of the first `multicols`, then some content inside a fake `onecol`, then an empty `onecol` at the start of the next `multicols`. Voil, no wierd group errors!

```

(class) 296     \DeclareDocumentEnvironment{onecol}{
297         \end{onecol}
298         \end{multicols}

```

```

299         \group_begin:
300         \cs_set:Nn\endonecol{
301             \group_end:
302             \begin{multicols}{2}
303             \cs_set_eq:NN\__skrappport_old_onecol:\onecol
304             \cs_set:Nn\onecol{
305                 \cs_set_eq:NN\onecol\__skrappport_old_onecol:
306             }
307             \begin{onecol}
308         }
309         \cs_set:Nn\onecol{}
310         \begin{onecol}
311     }{}
(class) 312 }

```

`\skrappport_setup_leqno:` (no arguments)

Instead of loading `leqno.clo`, we reimplement the (tiny) file as LaTeX3 code and include it directly. It's not terribly advanced.

```

(class) 313 \cs_new:Nn\__skrappport_setup_leqno:{
314     \RenewDocumentCommand\@eqnnum{}{
315         \hbox_to_wd:nn{.01pt}{}
316         \hbox_overlap_right:n{
317             \normalfont\normalcolor
318             \skip_horizontal:n{-\displaywidth}
319             (\theequation)
320         }
321     }
322 }

```

`\skrappport_setup_fleqn:` (no arguments)

The `fleqn.clo` functionality is more complex, so we include the file instead of reimplementing.

```

(class) 323 \cs_new:Nn\__skrappport_setup_fleqn:{

```

```

324     \file_input:n{fleqn.clo}
325 }

```

`skrapport_setup_titles:n` #1: Title style (rm, bf or sf)

The title styles are implemented by creating a new macro `\__skrapport_title_style:` which will later be used by `\section` and friends.

```

(class) 326 \cs_new:Npn\__skrapport_setup_titles:n#1{
327     \str_case:nnn{#1}{
328         {rm}{\cs_new:Nn\__skrapport_title_style:{\rmfamily}}
329         {bf}{\cs_new:Nn\__skrapport_title_style:{\bfseries}}
330         {sf}{\cs_new:Nn\__skrapport_title_style:{\sffamily}}

```

The fall-back for incorrect parameters is an informational message along with setting up for `\rmfamily` titles.

```

(class) 331     }{
332         \msg_info:nnnn{skrapport}{invalid-titles}{#1}{rm}
333         \__skrapport_setup_titles:n{rm}
334     }
335 }

```

`skrapport_setup_lang:n` #1: Language (sv or en)

Thus far only two language options are implemented, each of them setting the other as the ‘other’ language. We check if `polyglossia` has been loaded (this is done by `\__skrapport_setup_xelatex:`): if it has, we use the `polyglossia` interface for setting languages, otherwise we load the `babel` package with appropriate options.

```

(class) 336 \cs_new:Npn\__skrapport_setup_lang:n#1{
337     \str_case:nnn{#1}{
338         {sv}{
339             \bool_if:NTF\g__skrapport_has_polyglossia_bool{
340                 \setmainlanguage{swedish}
341                 \setotherlanguage[variant=british]{english}
342             }{
343                 \RequirePackage[british,swedish]{babel}

```

```

344         }

(class) 345         \cs_gset:Nn\__skrapport_and_word:{och}
346         \cs_gset:Nn\__skrapport_Email_word:{E-post}
347         \cs_gset:Nn\__skrapport_Comment_word:{Kommentar}
348         \cs_gset:Nn\contentsname{Innehåll}
349         \cs_gset:Nn\refname{Referenser}
350         \cs_gset:Nn\figurename{Figur}
351         \cs_gset:Nn\tablename{Tabell}
352         \cs_gset:Nn\appendixname{Bilaga}
353         \cs_gset:Nn\abstractname{Sammanfattning}
354         \cs_gset:Nn\today
355         {\int_use:N\year--\int_use:N\month--\int_use:N\day}

(class) 356     }
357     {en}{
358         \bool_if:NTF\g__skrapport_has_polyglossia_bool{
359             \setmainlanguage[variant=british]{english}
360             \setotherlanguage{swedish}
361         }{
362             \RequirePackage[swedish,british]{babel}
363         }

(class) 364         \cs_gset:Nn\__skrapport_and_word:{and}
365         \cs_gset:Nn\__skrapport_Email_word:{Email}
366         \cs_gset:Nn\__skrapport_Comment_word:{Comment}
367         \cs_gset:Nn\contentsname{Contents}
368         \cs_gset:Nn\refname{References}
369         \cs_gset:Nn\figurename{Figurr}
370         \cs_gset:Nn\tablename{Table}
371         \cs_gset:Nn\appendixname{Appendix}
372         \cs_gset:Nn\abstractname{Abstract}
373         \cs_gset:Nn\today
374         {\int_use:N\year--\int_use:N\month--\int_use:N\day}

(class) 375     }
376     }{

```



Fallback prints an informational message and leaves both babel and polyglossia unloaded.

```
(class) 377      \msg_info:nnn{skrapport}{invalid-lang}{#1}
378      }
379  }
```

`skrapport_setup_font:n` #1: Font (none, kpfonts, lmodern, palatino, minion or skdoc)  
We set up the somewhat involved font stack.

```
(class) 380 \cs_new:Npn\__skrapport_setup_font:n#1{
```

To begin with, we load inconsolata as our monospace font, letting it be overridden later if another font stack provides a monospace font. But we don't load it when using the none font stack.

```
(class) 381      \str_if_eq:nnF{#1}{none}{
382          \RequirePackage[scaled=1.03]{inconsolata}
383      }
384      \str_case:nnn{#1}{
```

The none font stack does literally nothing.

```
(class) 385          {none}{\prg_do_nothing:}
```

The kpfonts font stack simply loads kpfonts...

```
(class) 386          {kpfonts}{
387              \RequirePackage[easyscs1,intlimits,sumlimits]{kpfonts}
388          }
```

...and the lmodern font stack loads lmodern.

```
(class) 389          {lmodern}{
390              \RequirePackage{lmodern}
391          }
```

The palatino font stack loads tgpagella if available, but falls back to mathpazo otherwise.

```
(class) 392          {palatino}{
393              \file_if_exist:nTF{tgpagella.sty}{
394                  \RequirePackage{tgpagella}
```

```

395         }{
396         \RequirePackage[osf]{mathpazo}
397         }
398     }

```

Minion Pro, provided by the minion font stack, loads both minionpro (the font) and MnSymbol (appropriate math symbols).

```

(class) 399     {minion}{
400             \RequirePackage{minionpro}
401             \RequirePackage{MnSymbol}
402     }

```

Finally, the skdoc font stack loads PTSerif and opensans, inspired by the style of the skdoc class.

```

(class) 403     {skdoc}{
404             \RequirePackage{PTSerif}
405             \RequirePackage[defaultsans,osfigures,scale=0.95]{opensans}
406     }
407 }{

```

As a fallback, we print a warning and load no font packages.

```

(class) 408     \msg_warning:nnn{skrapport}{invalid-font}{#1}
409     }

```

All font stacks except none and kpfonts require additional packages. Or, rather, none can't load these packages by definition, and kpfonts already loads them internally<sup>5</sup>. They are always useful.

```

(class) 410     \str_if_eq:nnF{#1}{kpfonts}{
411             \str_if_eq:nnF{#1}{none}{
412                 \BeforeEndPreamble{
413                     \let\Finv\relax
414                     \let\Game\relax
415                     \let\beth\relax
416                     \let\gimel\relax
417                     \let\daleth\relax

```

---

<sup>5</sup>Caignaert 2010, p. 1.

```

418             \RequirePackage[intlimits]{amsmath}
419             \RequirePackage{amssymb}
420             \RequirePackage{textcomp}
421         }
422     }
423 }
424 }

```

`skrapport_setup_parskip:` (no arguments)

This part mixes  $\LaTeX 2_\epsilon$  and  $\LaTeX 3$ , which may not be a good thing. On the other hand, it seems hard to avoid. Most of the code is half-lifted from `parskip` and converted to  $\LaTeX 3$ .

```

(class) 425 \cs_new:Nn\__skrapport_setup_parskip:{
426     \skip_gset:Nn\parskip{0.5\baselineskip plus 2pt}
427     \dim_gzero:N\parindent
428     \skip_gset:Nn\parfillskip{30pt plus 1fil}

(class) 429     \cs_gset:Npn\@listI{
430         \dim_gset_eq:NN\leftmargin\leftmarginI
431         \dim_gset_eq:NN\parsep\parskip
432         \dim_gzero:N\topsep
433         \dim_gzero:N\itemsep
434     }
435     \cs_gset_eq:NN\@listi\@listI

(class) 436     \@listi

(class) 437     \cs_gset:Npn\@listii{
438         \dim_gset_eq:NN\leftmargin\leftmarginii
439         \dim_gset_eq:NN\labelwidth\leftmarginii
440         \dim_gset_eq:NN\parsep\parskip
441         \dim_gsub:Nn\labelwidth{-\labelsep}
442         \dim_gzero:N\topsep
443         \dim_gzero:N\itemsep
444     }

```

```

(class) 445 \cs_gset:Npn\@listiii{
446 \dim_gset_eq:NN\leftmargin\leftmarginiii
447 \dim_gset_eq:NN\labelwidth\leftmarginiii
448 \dim_gset_eq:NN\parsep\parskip
449 \dim_gsub:Nn\labelwidth{-\labelsep}
450 \dim_gzero:N\topsep
451 \dim_gzero:N\itemsep
452 }

(class) 453 \dim_gzero:N\partopsep

(class) 454 \RenewDocumentCommand\@starttoc{m}{
455 \group_begin:
456 \dim_gzero:N\parskip
457 \file_if_exist:nT{\c_job_name_tl.#1}{
458 \file_input:n{\c_job_name_tl.#1}
459 }
460 \if@filesw
461 \iow_new:c{tf@#1}
462 \iow_open:cn{tf@#1}{\c_job_name_tl.#1}
463 \fi
464 \@nobreakfalse
465 \group_end:
466 }

(class) 467 }

```

`skrapport_setup_math:` (no arguments)

This is the simplest option, only loading skmath if it exists.

```

(class) 468 \cs_new:Nn\__skrapport_setup_math:{
469 \file_if_exist:nT{skmath.sty}{\RequirePackage{skmath}}
470 }

```

`skrapport_setup_draft:` (no arguments)

Setting up the draft mode is also fairly easy, as we only need wider (wider than 0 pt, that is) `\overfullrules`.

```
(class) 471 \cs_new:Nn\__skrapport_setup_draft:{
472     \bool_if:NTF\g__skrapport_draft_bool{
473         \dim_gset:Nn\overfullrule{5pt}
474     }{
475         \msg_log:nnn{skrapport}{noop-call}{\__skrapport_setup_draft:}
476         \prg_do_nothing:
477     }
478 }
```

`\skrapport_setup_color:` (no arguments)

Setting up colors is also fairly easy, as we only have to load the `xcolor` package. All the other color-related code is in other places, utilizing the `\g__skdoc_color_bool` boolean.

```
(class) 479 \cs_new:Nn\__skrapport_setup_color:{
480     \bool_if:NTF\g__skrapport_color_bool{
481         \RequirePackage{xcolor}
482         \PassOptionsToPackage{
483             labelfont+={bf,color=skrapport@captioncolor}
484         }{caption}
485     }{
486         \msg_log:nnn{skrapport}{noop-call}{\__skrapport_setup_color:}
487         \prg_do_nothing:
488     }
489 }
```

`\skrapport_setup_color:n` (no arguments)

We may also set up a specific color theme using options. This is easily done by first calling `\__skrapport_setup_color:`, then calling `\colortheme` at `\BeginDocument`.

```
(class) 490 \cs_new:Npn\__skrapport_setup_color:n#1{
491     \__skrapport_setup_color:
492     \bool_if:NTF\g__skrapport_color_bool{
```

```

493         \AtBeginDocument{\colortheme{#1}}
494     }{
495         \msg_log:nnn{skrapport}{noop-call}{\__skrapport_setup_color:n}
496         \prg_do_nothing:
497     }
498 }

```

`skrapport_setup_xelatex:` (no arguments)

This macro contains special setup code for the X<sub>Y</sub>TeX and LuaTeX engines, such as loading fontspec, providing missing commands (which have been replaced by equivalent Unicode characters, apparently) and loading polyglossia.

```

(class) 499 \cs_new:Nn\__skrapport_setup_xelatex:{
500         \RequirePackage[quiet]{fontspec}

```

`\nobreakspace` (no arguments)

```

(class) 501     \DeclareDocumentCommand\nobreakspace{}{\leavevmode\nobreak\space}

(class) 502     \RequirePackage{polyglossia}
503     \bool_gset_true:N\g__skrapport_has_polyglossia_bool
504 }

```

`skrapport_setup_pdftex:` (no arguments)

This macro contains special setup code for the pdfTeX engine. Currently, it only sets the font encoding to T1.

```

(class) 505 \cs_new:Nn\__skrapport_setup_pdftex:{
506     \RequirePackage[T1]{fontenc}
507     \bool_gset_false:N\g__skrapport_has_polyglossia_bool
508 }

```

`skrapport_setup_engine_specific:` (no arguments)

This macro detects the current engine and calls the appropriate engine setup macro.

```

(class) 509 \cs_new:Nn\__skrapport_setup_engine_specific:{
510     \bool_if:nTF{\luatex_if_engine_p: || \xetex_if_engine_p:}{
511         \__skrapport_setup_xelatex:
512     }{
513         \__skrapport_setup_pdftex:
514     }
515 }

```

### 3.3.1 Variants with expandable arguments

Some option setup macros accept arguments, but those arguments are not expanded. Here, we provide variants which expand the parameters properly using the excellent `l3prg` functionality.

`\skrapport_setup_ptsize:x` (no arguments)

```

(class) 516 \cs_generate_variant:Nn\__skrapport_setup_ptsize:n{ x }

```

`\skrapport_setup_titles:x` (no arguments)

```

(class) 517 \cs_generate_variant:Nn\__skrapport_setup_titles:n{ x }

```

`\skrapport_setup_lang:x` (no arguments)

```

(class) 518 \cs_generate_variant:Nn\__skrapport_setup_lang:n{ x }

```

`\skrapport_setup_font:x` (no arguments)

```

(class) 519 \cs_generate_variant:Nn\__skrapport_setup_font:n{ x }

```

Finally, we process the class options using the keys defined earlier. We also run the engine-specific code implemented above.

```

(class) 520 \__skrapport_setup_engine_specific:
521 \ProcessKeysOptions{skrapport}

```

## 3.4 Loading packages

### 3.4.1 Required packages

We also include some essential packages per default. The `calc` package, for instance, is essential in later definitions.

```
(class) 522 \RequirePackage{calc,isodate,multicol,l3ctr2e}
```

At the end of the class definition we load a couple of very useful packages that improve typesetting. These are `microtype`, `icomma`.

```
(class) 523 \AtEndOfClass{
524     \RequirePackage{microtype}
525     \RequirePackage{icomma}
526 }
```

When the document starts, we set the URL style if the user has loaded the `url` package.

```
(class) 527 \AtBeginDocument{
528     \cs_if_exist:NT\urlstyle{\urlstyle{same}}
529 }
```

## 3.5 Utilities

We define useful  $\text{\LaTeX}3$  replacements of  $\text{\LaTeX}2_\epsilon$  stuff that hasn't made its way into `interface3`. This includes a `\settowidth` clone and possibly more stuff later.

`\dim_set_to_wd:Nn` (no arguments)

```
(class) 530 \cs_new:Npn\dim_set_to_wd:Nn#1#2{
531     \hbox_set:Nn\l_tmpa_box{#2}
532     \dim_set:Nn#1{\box_wd:N\l_tmpa_box}
533     \box_clear:N\l_tmpa_box
534 }
```



### 3.6 Hidden things

Set some default measurements (should probably be replaced with simply loading typearea).

```
(class) 535 \dim_add:Nn\textwidth{0.5\oddsidemargin}
536 \dim_add:Nn\textwidth{0.5\evensidemargin}
537 \dim_add:Nn\oddsidemargin{-0.5\oddsidemargin}
538 \dim_add:Nn\evensidemargin{-0.5\evensidemargin}
539 \dim_gset:Nn\lineskip{1pt}
540 \dim_gset:Nn\normallineskip{1pt}
```

`\baselinestretch` (no arguments)

```
(class) 541 \RenewDocumentCommand\baselinestretch{}{}%
```

#### 3.6.1 Penalties

```
(class) 542 \int_gset:Nn\@lowpenalty {51}
543 \int_gset:Nn\@medpenalty {151}
544 \int_gset:Nn\@highpenalty{301}
545 \ctr_gset:nn{topnumber}{2}
546 \ctr_gset:nn{bottomnumber}{1}
547 \ctr_gset:nn{totalnumber}{4}
548 \ctr_gset:nn{dbltopnumber}{2}
```

`\topfraction` (no arguments)

```
(class) 549 \RenewDocumentCommand\topfraction{}{.75}
```

`\bottomfraction` (no arguments)

```
(class) 550 \RenewDocumentCommand\bottomfraction{}{.5}
```

`\textfraction` (no arguments)

```
(class) 551 \RenewDocumentCommand\textfraction{}{.25}
```

`\floatpagefraction` (no arguments)

```
(class) 552 \RenewDocumentCommand\floatpagefraction{}{.625}
```

`\dbltopfraction` (no arguments)

```
(class) 553 \RenewDocumentCommand\dbltopfraction{}{.75}
```

`\dblfloatpagefraction` (no arguments)

```
(class) 554 \RenewDocumentCommand\dblfloatpagefraction{}{.625}
```

## 3.7 User-level commands

### 3.7.1 The front page

`\title` #1: Title of the document

```
(class) 555 \tl_new:N\g__skrapport_title_tl
```

```
(class) 556 \DeclareDocumentCommand\title{m}{  
557     \tl_gset:Nn\g__skrapport_title_tl{#1}  
558 }
```

`\date` #1: Date in ISO8601 format

The `\date` macro sets the current date of the document. It only accepts dates accepted by `isodate` (or the special value ‘today’). Dates are always printed using the current format as specified by the `isodate` package.

```
(class) 559 \tl_new:N\g__skrapport_date_tl
```

```
(class) 560 \DeclareDocumentCommand\date{m}{  
561     \str_if_eq:nnTF{#1}{today}{  
562         \tl_gset:Nn\g__skrapport_date_tl{\today}  
563     }{  
564         \if_meaning:w \today #1
```

```

565         \tl_gset:Nn\g__skrappport_date_tl{\today}
566     \else:
567         \tl_gset:Nn\g__skrappport_date_tl{\printdate{#1}}
568     \fi:
569 }
570 \tl_gset:Nn\g__skrappport_title_tl{#1}
571 }

```

**\author#1:** Optional email address

#2: Author name

The `\author` macro is redefined to accept an optional argument and to be used multiple times. The `\skrappport@email` helper macro typesets an email address using `hyperref` if that package is used. This is suboptimal, the macro behaves differently with respect to special characters depending on whether `hyperref` is loaded or not.

```

(class) 572 \cs_new_nopar:Npn\__skrappport_email:n#1{
573     \texttt{#1}
574 }
575 \AtBeginDocument{
576     \cs_if_exist:NT\href{
577         \cs_gset_nopar:Npn\__skrappport_email:n#1{
578             \href{mailto:#1}{\nolinkurl{#1}}
579         }
580     }
581 }

(class) 582 \clist_new:N\g__skrappport_author_clist

(class) 583 \clist_new:N\g__skrappport_email_clist

(class) 584 \DeclareDocumentCommand\author{om}{%
585     \clist_gput_right:Nn\g__skrappport_author_clist{#2}
586     \clist_gput_right:Nn\g__skrappport_email_clist{#1}
587 }

```

**\skrappport\_author\_list:** (no arguments)

This macro lists all the authors in the comma-separated list `\g__skrapport_author_clist`, separating them with a comma or the word ‘and’ (in the appropriate language).

```
(class) 588 \cs_new:Nn\__skrapport_author_list:{
589     \int_zero:N\l_tmpa_int
590     \clist_map_inline:Nn\g__skrapport_author_clist{
591         \int_incr:N\l_tmpa_int
592         \int_compare:nT{\l_tmpa_int>\c_one}{
593             \int_compare:nTF
594                 {\l_tmpa_int<\clist_count:N\g__skrapport_author_clist}
595                 {,~}{~\__skrapport_and_word:~}
596         }
597         #1
598     }
599 }
```

`\skrapport_email_list:` (no arguments)

This macro lists the email addresses in the comma-separated list `\g__skrapport_email_clist` by applying `\__skrapport_email:` if appropriate (or printing an em-dash if no value exists) and separating them with commas.

```
(class) 600 \cs_new:Nn\__skrapport_email_list:{
601     \bool_set_false:N\l_tmpa_bool
602     \clist_map_inline:Nn\g__skrapport_email_clist{
603         \bool_if:NF\l_tmpa_bool{,~}
604         \IfNoValueTF{#1}{
605             \textemdash
606         }{
607             \__skrapport_email:n{#2}
608         }
609         \bool_set_true:N\l_tmpa_bool
610     }
611 }
```

### `\regarding#1`: Text snippet

This macro defines a variable used by `\maketitle` to insert a simple text into the header on the title page.

```
(class) 612 \tl_new:N\g__skrapport_regarding_tl
        613 \DeclareDocumentCommand\regarding{m}{
        614     \tl_gset:Nn\g__skrapport_regarding_tl{#1}
        615 }
```

### `\license#1`: Short license description

This macro defines a variable used by `\maketitle` to insert a license into the footer on the titlepage.

```
(class) 616 \tl_new:N\g__skrapport_copyright_tl
        617 \DeclareDocumentCommand\license{m}{
        618     \tl_gset:Nn\g__skrapport_copyright_tl{#1}
        619 }
```

### `\maketitle`(no arguments)

The standard `\maketitle` command as taken from the article class but with some basic restyling.

```
(class) 620 \cs_new:Nn\__skrapport_smallprint_style:{}

(class) 621 \DeclareDocumentCommand\maketitle{}{
        622     \par
        623     \group_begin:
        624         \RenewDocumentCommand\thefootnote{}{
        625             \ctr_use_fn:n{footnote}
        626         }
        627         \RenewDocumentCommand\@makefnmark{}{
        628             \hbox_overlap_right:n{
        629                 \@textsuperscript{\normalfont\@thefnmark}
        630             }
        631         }
        632         \RenewDocumentCommand\@makefntext{m+}{
        633             \parindent 1em\noindent
```

```

634         \hbox_to_wd:nn{1.8em}{
635             \hss\@textsuperscript{\normalfont\@thefnmark}
636         }
637         ##1
638     }
639     \newpage
640     \int_gzero:N\@topnum
641     \__skrappport_maketitle:
642     \thispagestyle{plain}
643 \group_end:
644 \ctr_gzero:n{footnote}
645 }

(class) 646 \cs_new:Nn\__skrappport_maketitle:{
647     \newpage
648     \hbox:n{}
649     \begin{flushleft}
650         \vspace{-\headsep}
651         {
652             \small\__skrappport_smallprint_style:
653             \tl_use:N\g__skrappport_regarding_tl
654             \tl_use:N\g__skrappport_date_tl\par
655         }
656         \vspace{1.5cm}
657         {
658             \Huge\__skrappport_title_style:
659             \tl_use:N\g__skrappport_title_tl
660             \par
661         }
662         \vspace{.125cm}
663         {
664             \Large\__skrappport_title_style:
665             \__skrappport_author_list:
666         }
667         \vspace{.75cm}
668     \end{flushleft}

```

669       \par

This bit (which prints the email addresses) is based on the abstract environment below and should probably be in the same macro (they have to sync the width of the first minipage, which has to be calculated at the first use).

```
(class) 670       \dim_set_to_wd:\l_tmpa_dim{\bfseries\abstractname}
671       \dim_set:Nn\l_tmpb_dim
672           {\textwidth-\l_tmpa_dim-\c__skrapport_abstract_separator_dim}
673       \begin{minipage}[t]{\l_tmpa_dim}
674           \begin{flushright}
675               \leavevmode\bfseries\__skrapport_Email_word:
676           \end{flushright}
677       \end{minipage}
678       \hspace{\c__skrapport_abstract_separator_dim}
679       \begin{minipage}[t]{\l_tmpb_dim}
680           \__skrapport_email_list:
681       \end{minipage}
682       \par
683   }
```

**abstract** (no arguments)

Standard restyled abstract environment from the article class.

```
(class) 684   \dim_const:Nn\c__skrapport_abstract_separator_dim{1em}
685   \DeclareDocumentEnvironment{abstract}{}{
686       \dim_set_to_wd:\l_tmpa_dim{\bfseries\abstractname}
687       \dim_set:Nn\l_tmpb_dim
688           {\textwidth-\l_tmpa_dim-\c__skrapport_abstract_separator_dim}
689       \begin{minipage}[t]{\l_tmpa_dim}
690           \begin{flushright}
691               \leavevmode\bfseries\abstractname
692           \end{flushright}
693       \end{minipage}
694       \hspace{\c__skrapport_abstract_separator_dim}
695       \begin{minipage}[t]{\l_tmpb_dim}
696   }{
```

```

697     \end{minipage}
698 }

```

**titlepage** (no arguments)

Titlepage environment.

**s@skrapport@titlepage** (no arguments)

```

(class) 699 \cs_new:Nn\ps@skrapport@titlepage{
700     \cs_gset:Nn\@oddhead{}
701     \cs_gset:Nn\@evenhead{}
702     \cs_gset:Nn\@oddfoot{
703         \begin{minipage}{\textwidth}
704             \raggedleft\small\par
705             \__skrapport_smallprint_style:
706             \tl_use:N\g__skrapport_copyright_tl
707         \end{minipage}
708     }
709     \cs_gset_eq:Nn\@evenfoot\@oddfoot
710 }

(class) 711 \DeclareDocumentEnvironment{titlepage}{}{
712     \cleardoublepage\ctr_gset:nn{page}{1}
713 }{
714     \thispagestyle{skrapport@titlepage}
715     \cleardoublepage\ctr_gset:nn{page}{1}
716 }

```

### 3.7.2 Sectioning

Sectioning macros. This is kind of messy. We start with creating some counters using our homemade  $\text{\LaTeX}$  counter macros.

```

(class) 717 \ctr_gset:nn{c@secnumdepth}{3}
718 \ctr_new:n{section}
719 \ctr_new:n{subsection}[section]
720 \ctr_new:n{subsubsection}[subsection]

```



```

721 \ctr_new:n{paragraph}[subsubsection]
722 \ctr_new:n{subparagraph}[paragraph]

```

Next up, we have macros to display the section numberings.

```

(class) 723 \RenewDocumentCommand\thesection{}{
724     \ctr_use_arabic:n{section}
725 }

(class) 726 \RenewDocumentCommand\thesubsection{}{
727     \thesection.\ctr_use_arabic:n{subsection}
728 }

(class) 729 \RenewDocumentCommand\thesubsubsection{}{
730     \thesubsection.\ctr_use_arabic:n{subsubsection}
731 }

(class) 732 \RenewDocumentCommand\theparagraph{}{
733     \thesubsubsection.\ctr_use_arabic:n{paragraph}
734 }

(class) 735 \RenewDocumentCommand\thesubparagraph{}{
736     \theparagraph.\ctr_use_arabic:n{subparagraph}
737 }

```

**Pre- and post-section spacing** Here comes the tricky part. We define two generic macros that add spacing before and after the section title, to condense the code a bit. Note that many of the following macros constitute a reimplementaion of `\@startsection`, `\@ssect`, `\@sect` and friends.

`\skrapport_pre_section:n` #1: Skip before the section title

```

(class) 738 \cs_new:Npn\__skrapport_pre_section:n#1{
739     \leavevmode\par
740     \skip_set:Nn\l_tmpa_skip{#1}
741     \@afterindenttrue % !!!
742     \dim_compare:nT{\l_tmpa_skip<0}{

```

```

743         \skip_set\l_tmpa_skip{-\l_tmpa_skip}
744         \@afterindentfalse % !!!
745     }
746     \if@nobreak \everypar{} \else
747         \addpenalty\@secpenalty % !!!
748         \skip_vertical:N\l_tmpa_skip
749     \fi
750 }

```

`skrapport_post_section:n` #1: Space after the section title

```

(class) 751 \cs_new:Npn\__skrapport_post_section:n#1{
752     \@xsect{#1} % !!!
753 }

```

**Starred sections** These two macros (the first only being an alias for the second with its last argument empty) correspond to unnumbered sections. Or, rather, they do all the typesetting and none of the TOC/-counter stuff. This means that starred sections only call this macro, while unstarred ones call other macros in addition to this macro.

`skrapport_section_star:nnnn` #1: Indentation of section title  
 #2: Styling of the section title  
 #3: Actual section title  
 #4: Optional code to run in the indentation (*i.e.* section number)

```

(class) 754 \cs_new:Npn\__skrapport_section_star:nnnn#1#2#3{
755     \__skrapport_section_star:nnnn{#1}{#2}{#3}{ }
756 }
757 \cs_new:Npn\__skrapport_section_star:nnnn#1#2#3#4{
758     \group_begin:
759         #2
760         \hbox_set:Nn\l_tmpa_box{{\skip_horizontal:n{#1}#4}}
761         \hangindent{#1}\box_wd:N\l_tmpa_box
762         \noindent\box_use_clear:N\l_tmpa_box
763         \interlinepenalty\@M % !!!

```

```

764         #3\par
765     \group_end:
766 }

```

**Unstarred sections** This macro typesets an unstarred section, *i.e.* a numbered one. It defines a temporary macro containing the section number (maybe, depends on the \c@secnumdepth counter) which it passes on to \\_\_skrappport\_section\_star:nnnn, and then writes some things to the TOC.

section\_nostar:nnnnnn #1: Section counter name  
 #2: Section level  
 #3: Indentation of section title  
 #4: Styling of the section title  
 #5: Actual section title  
 #6: Section title for TOC

```

(class) 767 \cs_new:Npn\__skrappport_section_nostar:nnnnnn#1#2#3#4#5#6{
768     \if_int_compare:w #2>\ctr_use:n{secnumdepth} % !!!
769     \cs_set:Nn\__skrappport_saved_section:{
770     \else:
771     \ctr_ref_ginrc:n{#1}
772     \cs_set_protected:Nn\__skrappport_saved_section:{
773     \cs:w #1\cs_end:
774     }
775     \fi:
776     \__skrappport_section_star:nnn
777     {#3}{#4}{#5}{\__skrappport_saved_section:}
778     \cs:w #1mark\cs_end:{#6}
779     \addcontentsline{toc}{#1}{
780     \if_int_compare:w #2>\ctr_use:n{secnumdepth} \else: % !!!
781     \protect\numberline{\csname the#1\endcsname} % !!!
782     \fi:
783     #6
784     }
785 }

```

**Generic sectioning macros** We will now set up a generic sectioning macro. First, we need version of the above macros that expand their arguments.

```
(class) 786 \cs_generate_variant:Nn\__skrapport_pre_section:n{x}
(class) 787 \cs_generate_variant:Nn\__skrapport_post_section:n{x}
(class) 788 \cs_generate_variant:Nn\__skrapport_section_star:nnn{xxn}
(class) 789 \cs_generate_variant:Nn\__skrapport_section_nostar:nnnnn{nnxxnn}
```

Now, the generic sectioning macro basically takes the sectioning macro arguments straight up (arguments 3–5), additionally requiring a section counter name and a section level. It expects that constant dimensions (see definition of `\section` below) and a formatting macro are available, and passes these as arguments to the underlying sectioning macros as appropriate.

`\generic_section:nnnnn` #1: Section counter name  
 #2: Section level  
 #3: Star (tested with `\IfBooleanTF`)  
 #4: Optional argument (or `\NoValue`)  
 #5: Section title text

```
(class) 790 \cs_set:Nn\__skrapport_generic_section:nnnnn{
791   \__skrapport_pre_section:x{\cs:w c__skrapport_#1_pre_skip\cs_end:}
792   \IfBooleanTF#3{
793     \__skrapport_section_star:xxn
794     {\cs:w c__skrapport_#1_indent_dim\cs_end:}
795     {\cs:w __skrapport_#1_style:\cs_end:}
796     {#5}
797   }{
798     \IfNoValueTF{#4}{
799       \__skrapport_section_star:nnxxnn
800       {#1}{#2}
801       {\cs:w c__skrapport_#1_indent_dim\cs_end:}
802       {\cs:w __skrapport_#1_style:\cs_end:}
803       {#5}
```

```

804             {#5}
805         }{
806             \__skrappport_section_star:nnxxnn
807             {#1}{#2}
808             {\cs:w c__skrappport_#1_indent_dim\cs_end:}
809             {\cs:w __skrappport_#1_style:\cs_end:}
810             {#5}
811             {#4}
812         }
813     }
814     \__skrappport_post_section:x{\cs:w c__skrappport_#1_post_skip\cs_end:}
815 }

```

**Public sectioning API** It's time to define the public sectioning macros. They all follow the same format: first, two skips and one dimension (used by `\__skrappport_generic_section:nnnnn`) are defined, as well as a macro defining the text style of the section. Then, the actual macro is provided.

`\section` #1: Star (tested with `\IfBooleanTF`)  
 #2: Optional short title (or `\NoValue`)  
 #3: Sectioning title  
 This is the skip *before* a section title.

```
(class) 816 \skip_const:Nn\c__skrappport_section_pre_skip{-4ex plus 1ex minus -1ex}
```

This is the skip *after* a section title.

```
(class) 817 \skip_const:Nn\c__skrappport_section_post_skip{.5ex plus .5ex}
```

This is the *indentation* of a section title.

```
(class) 818 \dim_const:Nn \c__skrappport_section_indent_dim{\c_zero_dim}
```

This is the text style of a section title.

```
(class) 819 \cs_set:Nn\__skrappport_section_style:
820     {\normalfont\LARGE\__skrappport_title_style:}
```

Finally, the public macro is provided.

```

(class) 821 \DeclareDocumentCommand\section{som}{
      822     \__skrapport_generic_section:nnnnn{section}{1}{#1}{#2}{#3}
      823 }

```

The other sectioning macros (macros from section to subparagraph are available) are defined in an analogous manner.

**\subsection** #1: Star (tested with \IfBooleanTF)  
 #2: Optional short title (or \NoValue)  
 #3: Sectioning title

```

(class) 824 \skip_const:Nn\c__skrapport_subsection_pre_skip{-3ex plus 1ex minus -1ex}

(class) 825 \skip_const:Nn\c__skrapport_subsection_post_skip{.25ex plus .25ex}

(class) 826 \dim_const:Nn \c__skrapport_subsection_indent_dim{\c_zero_dim}

(class) 827 \cs_set:Nn\__skrapport_subsection_style:
      828     {\normalfont\Large\__skrapport_title_style:}

(class) 829 \DeclareDocumentCommand\subsection{som}{
      830     \__skrapport_generic_section:nnnnn{subsection}{2}{#1}{#2}{#3}
      831 }

```

**\subsubsection** #1: Star (tested with \IfBooleanTF)  
 #2: Optional short title (or \NoValue)  
 #3: Sectioning title

```

(class) 832 \skip_const:Nn\c__skrapport_subsubsection_pre_skip{-2ex plus .5ex minus -.5ex}

(class) 833 \skip_const:Nn\c__skrapport_subsubsection_post_skip{.125ex plus .125ex}

(class) 834 \dim_const:Nn \c__skrapport_subsubsection_indent_dim{\c_zero_dim}

(class) 835 \cs_set:Nn\__skrapport_subsubsection_style:
      836     {\normalfont\large\__skrapport_title_style:}

(class) 837 \DeclareDocumentCommand\subsubsection{som}{
      838     \__skrapport_generic_section:nnnnn{subsubsection}{3}{#1}{#2}{#3}
      839 }

```

**\paragraph** #1: Star (tested with \IfBooleanTF)  
 #2: Optional short title (or \NoValue)  
 #3: Sectioning title

```

(class) 840 \skip_const:Nn\c__skrapport_paragraph_pre_skip{1ex plus .25ex minus -.25ex}

(class) 841 \skip_const:Nn\c__skrapport_paragraph_post_skip{-1em}

(class) 842 \dim_const:Nn \c__skrapport_paragraph_indent_dim{\c_zero_dim}

(class) 843 \cs_set:Nn\__skrapport_paragraph_style:
      844     {\normalfont\normalsize\bfseries}

(class) 845 \DeclareDocumentCommand\paragraph{som}{
      846     \__skrapport_generic_section:nnnnn{paragraph}{4}{#1}{#2}{#3}
      847 }

```

**\subparagraph** #1: Star (tested with \IfBooleanTF)  
 #2: Optional short title (or \NoValue)  
 #3: Sectioning title

```

(class) 848 \skip_const:Nn\c__skrapport_subparagraph_pre_skip{1ex plus .25ex minus -.25ex}

(class) 849 \skip_const:Nn\c__skrapport_subparagraph_post_skip{-1em}

(class) 850 \dim_const:Nn \c__skrapport_subparagraph_indent_dim{\parindent}

(class) 851 \cs_set:Nn\__skrapport_subparagraph_style:
      852     {\normalfont\normalsize\itshape}

(class) 853 \DeclareDocumentCommand\subparagraph{som}{
      854     \__skrapport_generic_section:nnnnn{subparagraph}{5}{#1}{#2}{#3}
      855 }

```

### 3.7.3 Macros from article

**List environments** First, several dimensions are provided and three penalties defined.

```

(class) 856 \dim_gset:Nn\leftmargini{2em}
857 \dim_gset_eq:NN\leftmargin\leftmargini
858 \dim_gset:Nn\leftmarginii{2em}
859 \dim_gset:Nn\leftmarginiii{1.5em}
860 \dim_gset:Nn\leftmarginiv{1.5em}
861 \dim_gset:Nn\leftmarginv{1em}
862 \dim_gset:Nn\leftmarginvi{1em}
863 \dim_gset:Nn\labelsep{.5em}
864 \dim_gset_eq:NN\labelwidth\leftmargini
865 \dim_gsub:Nn\labelwidth{-\labelsep}
866 \int_gset:Nn\@beginparpenalty{-\@lowpenalty}
867 \int_gset:Nn\@endparpenalty {-\@lowpenalty}
868 \int_gset:Nn\@itempenalty {-\@lowpenalty}

```

Then, we define the appearance of the item numbers. The first level consists of arabic numbers (1, 2, 3, ...).

```

(class) 869 \RenewDocumentCommand\theenumi{} {\ctr_use_arabic:n{enumi}}

```

The second level consists of lower-case alphabetic characters (a, b, c, ...).

```

(class) 870 \RenewDocumentCommand\theenumii{} {\ctr_use_alph:n{enumii}}

```

The third level consists of lower-case roman numerals (i, ii, iii, ...).

```

(class) 871 \RenewDocumentCommand\theenumiii{} {\ctr_use_roman:n{enumiii}}

```

The fourth level consists of upper-case alphabetic characters (A, B, C, ...).

```

(class) 872 \RenewDocumentCommand\theenumiv{} {\ctr_use_Alph:n{enumiv}}

```

We also need macros that typeset the actual labels. Here, different levels have a different postfix: all levels except the second are postfixed by a period, while the second level is postfixed by a closing bracket.

```

(class) 873 \NewDocumentCommand\labelenumi{\theenumi.}

```

```

(class) 874 \NewDocumentCommand\labelenumii{\theenumii)}

```

```

(class) 875 \NewDocumentCommand\labelenumiii{\theenumiii.}

```



<class> 876 \NewDocumentCommand\labelenumiv{\theenumiv.}

We also fix the referencing of lower-level items so that one can refer to them properly (*i.e.* as 1b(iii) and so on).

<class> 877 \RenewDocumentCommand\p@enumii{\theenumi}

<class> 878 \RenewDocumentCommand\p@enumiii{\theenumi(\theenumii)}

<class> 879 \RenewDocumentCommand\p@enumiv{\p@enumiii\theenumiii}

All that was for numbered lists (enumerate). Now, we define the ‘labels’ of itemize items. In progression, they are a bullet (•), an open bullet (◦), a boldfaced dash (–) and an arrow (→).

<class> 880 \DeclareDocumentCommand\labelitemi{\textbullet}

<class> 881 \DeclareDocumentCommand\labelitemii{\textopenbullet}

<class> 882 \DeclareDocumentCommand\labelitemiii{\normalfont\bfseries\textendash}

<class> 883 \DeclareDocumentCommand\labelitemiv{\textrightarrow}

The last of the commonly used list environments is description. Defining it is fairly simple — we define a list with empty item labels and a bit of hackery for the \makelabel macro inside.

**description** (no arguments)

```
<class> 884 \DeclareDocumentEnvironment{description}{}{
885     \begin{list}{}{
886         \dim_zero:N\labelwidth
887         \dim_set:Nn\itemindent{-\leftmargin}
888         \cs_set_eq:Nn\makelabel\descriptionlabel
889     }
890 }{
891     \end{list}
892 }
```

**\descriptionlabel** (no arguments)

Additionally, the \descriptionlabel macro is defined.

```

(class) 893 \NewDocumentCommand\descriptionlabel{m}{
894     \hspace{\labelsep}\normalfont\bfseries #1
895 }

```

**Quotation environments** The quotation environments are also fairly simple — quote is just a list with a single item, and quotation is a quote with extra skips around it.

**quote** (no arguments)

```

(class) 896 \NewDocumentEnvironment{quote}{}{
897     \begin{list}{}{
898         \dim_set_eq:NN\rightmargin\leftmargin
899     }
900     \item\itshape
901 }{
902     \end{list}
903 }

```

**quotation** (no arguments)

```

(class) 904 \NewDocumentEnvironment{quotation}{
905     \bigskip
906     \begin{quote}
907 }{
908     \end{quote}
909     \bigskip
910 }

```

There's a verse environment, too, but it's just quote.

**verse** (no arguments)

```

(class) 911 \NewDocumentEnvironment{verse}{
912     \begin{quote}
913 }{
914     \end{quote}
915 }

```

**Front- and backmatter** We only define one front/backmatter macro;  
`\appendix`.

`\appendix` (no arguments)

```
(class) 916 \NewDocumentCommand\appendix{}{  
          917     \par  
          918     \ctr_gset:nn{section}{0}  
          919     \ctr_gset:nn{subsection}{0}  
          920     \cs_gset:Nn\thesection{\ctr_use_Alph:n{section}}  
          921 }
```

**Old font macros** The old font macros have been deprecated. Do not  
use!

`\rm` (no arguments)

```
(class) 922 \DeclareDocumentCommand\rm{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\rm}{\t
```

`\sf` (no arguments)

```
(class) 923 \DeclareDocumentCommand\sf{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\sf}{\t
```

`\tt` (no arguments)

```
(class) 924 \DeclareDocumentCommand\tt{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\tt}{\t
```

`\bf` (no arguments)

```
(class) 925 \DeclareDocumentCommand\bf{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\bf}{\t
```

`\it` (no arguments)

```
(class) 926 \DeclareDocumentCommand\it{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\it}{\t
```

**\sl** (no arguments)

```
<class> 927 \DeclareDocumentCommand\sl{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\sl}{\t
```

**\sc** (no arguments)

```
<class> 928 \DeclareDocumentCommand\sc{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\sc}{\t
```

### The emphasis macro

**\emph**

Redefining the `\emph` style to be bold when nested.

```
<class> 929 \DeclareDocumentCommand\em{}{\msg_error:nnn{skrapport}{old-font-deprecated}{\em}{\em
```

```
<class> 930 \cs_new:Nn\__skrapport_emphstyle:{
931     \if_dim:w\fontdimen\c_one\font>\c_zero
932     \itshape\bfseries
933     \else:
934     \itshape
935     \fi:
936 }
```

```
<class> 937 \DeclareDocumentCommand\emph{m+}{
938     \ifmmode
939     \text{\__skrapport_emphstyle: #1}
940     \else
941     {\__skrapport_emphstyle: #1}
942     \fi:
943 }
```

```
<class> The footnote rule 944 \DeclareDocumentCommand\footnoterule{}{}
```

```
<class> 945 \DeclareDocumentCommand\@makefnmark{m+}{
946     \parindent 1em\noindent
947     \hbox_to_wd:nn{1.8em}{\hss\@makefnmark}
```

```

948     #1
949 }

```

### 3.7.4 Floats

```

(class) Table- and box-related lengths50 \dim_gset:Nn\arraycolsep {5pt}
951 \dim_gset:Nn\tabcolsep {6pt}
952 \dim_gset:Nn\arrayrulewidth{.4pt}
953 \dim_gset:Nn\doublerulesep {2pt}
954 \dim_gset_eq:NN\tabbingsep\labelsep
955 \skip_gset_eq:NN\@mpfootins\footins
956 \dim_gset:Nn\fbxsep {3pt}
957 \dim_gset:Nn\fbxrule {.4pt}

(class) Counters58 \ctr_new:n{figure}
959 \ctr_new:n{table}

(class) 960 \DeclareDocumentCommand\theequation{}{\ctr_use_arabic:n{equation}}

(class) 961 \DeclareDocumentCommand\thefigure{}{\ctr_use_arabic:n{figure}}

(class) 962 \DeclareDocumentCommand\thetable{}{\ctr_use_arabic:n{table}}

```

**Defaults** The default placement, list extension and caption text of all floats.

```

(class) 963 \cs_new:Nn \fps@figure{tb}
964 \cs_new:Nn\ftype@figure{1}
965 \cs_new:Nn \ext@figure{lof}
966 \cs_new:Nn \fnum@figure{\figurename~\thefigure}
967 \cs_new:Nn \fps@table {tb}
968 \cs_new:Nn\ftype@table {2}
969 \cs_new:Nn \ext@table {lot}
970 \cs_new:Nn \fnum@table {\tablename~\thetable}

```

**figure** (no arguments)

```
(class) 971 \DeclareDocumentEnvironment{figure}{o}{
972     \exp_args:Nnx\@float{figure} % !!!
973     \IfNoValueTF{#1}{[\fps@figure]}{[#1]}
974 }{
975     \end@float
976 }
977 \DeclareDocumentEnvironment{figure*}{o}{
978     \exp_args:Nnx\@dblfloat{figure} % !!!
979     \IfNoValueTF{#1}{[\fps@figure]}{[#1]}
980 }{
981     \end@dblfloat
982 }
```

**table** (no arguments)

```
(class) 983 \DeclareDocumentEnvironment{table}{o}{
984     \exp_args:Nnx\@float{table} % !!!
985     \IfNoValueTF{#1}{[\fps@table]}{[#1]}
986 }{
987     \end@float
988 }
989 \DeclareDocumentEnvironment{table*}{o}{
990     \exp_args:Nnx\@dblfloat{table} % !!!
991     \IfNoValueTF{#1}{[\fps@table]}{[#1]}
992 }{
993     \end@dblfloat
994 }
```

**Captions** Before we begin, we pass options to caption, in case the user is loading it or another package based upon it. This fixes an issue where the custom caption style was overwritten with the ugly default article caption style.

```
(class) 995 \PassOptionsToPackage{font=small,labelfont+=bf,textfont+=it}{caption}
```

```

(class) 996 \cs_new:Nn\__skrappport_caption_name_style:{\small\bfseries}
(class) 997 \cs_new:Nn\__skrappport_caption_text_style:{\small\itshape}

(class) 998 \skip_new:N\abovecaptionskip
          999 \skip_set:Nn\abovecaptionskip{10pt}
         1000 \skip_new:N\belowcaptionskip
         1001 \skip_set:Nn\belowcaptionskip{10pt}

```

This should possibly be redefined already at the \caption level.

```

(class) 1002 \cs_new:Npn\@makecaption#1#2{
         1003   \skip_vertical:N\abovecaptionskip
         1004   \hbox_set:Nn\l_tmpa_box{
         1005     \color@setgroup % !!!
         1006     {\__skrappport_caption_name_style:#1:~}
         1007     {\__skrappport_caption_name_style:#2}
         1008     \color@endgroup % !!!
         1009   }
         1010   \if_dim:w\box_wd:N\l_tmpa_box>\hsize
         1011     {\__skrappport_caption_name_style:#1:~}
         1012     {\__skrappport_caption_name_style:#2}
         1013     \par
         1014   \else:
         1015     \global\@minipagefalse % !!!
         1016     \hbox_to_wd:nn{\hsize}{
         1017       \hfil
         1018       \box_use_clear:N\l_tmpa_box
         1019       \hfil
         1020     }
         1021   \fi:
         1022   \skip_vertical:N\belowcaptionskip
         1023 }

```

### 3.7.5 Table of contents

```

(class) 1024 \cs_new:Nn\@pnumwidth{1.55em}

```

```

1025 \cs_new:Nn\@tocrmarg{2em}
1026 \cs_new:Nn\@dotsep{1.7}
1027 \ctr_gset:nn{tocdepth}{5}

```

## `\tableofcontents` (no arguments)

```

(class) 1028 \DeclareDocumentCommand\tableofcontents{}{
1029   \section*{\contentsname}
1030   \@starttoc{toc}
1031 }

(class) 1032 \DeclareDocumentCommand\l@section{mm}{
1033   \@dottedtocline{1}{0em}{1.3em}{#1}{#2}
1034 }

(class) 1035 \DeclareDocumentCommand\l@subsection{mm}{
1036   \@dottedtocline{2}{1.3em}{2em}{#1}{#2}
1037 }

(class) 1038 \DeclareDocumentCommand\l@subsubsection{mm}{
1039   \@dottedtocline{3}{3.3em}{3.15em}{#1}{#2}
1040 }

(class) 1041 \DeclareDocumentCommand\l@paragraph{mm}{
1042   \@dottedtocline{4}{6.45em}{4.15em}{#1}{#2}
1043 }

(class) 1044 \DeclareDocumentCommand\l@subparagraph{mm}{
1045   \@dottedtocline{5}{10.6em}{5.15em}{#1}{#2}
1046 }

      Fix for e.g. tocloft package.
(class) 1047 \cs_set:Nn\l@figure{}
1048 \cs_set:Nn\l@table{}

```



### 3.7.6 Basic bibliography support

```
(class) 1049 \dim_new:N\libindent
         1050 \dim_set:Nn\libindent{2em}
```

**thebibliography** (no arguments)

```
(class) 1051 \DeclareDocumentEnvironment{thebibliography}{m}{
         1052     \section*{\refname}
         1053     \list{\@biblabel{\ctr_use_arabic:n{enumiv}}}{
         1054         \dim_set_to_wd:N\labelwidth{\@biblabel{#1}}
         1055         \dim_set_eq:NN\leftmargin\labelwidth
         1056         \dim_add:Nn\leftmargin{\labelsep}
         1057         \usecounter{enumiv} % !!!
         1058         \cs_set:Nn\p@enumiv{}
         1059         \RenewDocumentCommand\theenumiv{}{\ctr_use_arabic:n{enumiv}}
         1060     }
         1061     \sloppy
         1062     \int_set:Nn\clubpenalty{4000}
         1063     \int_set_eq:NN\@clubpenalty\clubpenalty
         1064     \int_set:Nn\widowpenalty{4000}
         1065 }{
         1066     \cs_set:Nn\@noitemerr{}
         1067     \endlist
         1068 }

(class) 1069 \DeclareDocumentCommand\newblock{}{
         1070     \skip_horizontal:n{.11em plus .33em minus .07em}
         1071 }
```

**theindex** (no arguments)

```
(class) 1072 \DeclareDocumentEnvironment{theindex}{}{
         1073     \begin{multicols}{2}[\section*{\indexname}]
         1074     \thispagestyle{plain}
         1075     \dim_zero:N\parindent
         1076     \skip_set:N\parskip{\c_zero_skip plus .3pt}
         1077     \dim_zero:N\columnseprule
```

```

1078     \dim_set:Nn\columnsep{35pt}
1079     \cs_set_eq:NN\item\@idxitem
1080   }{
1081     \end{multicols}
1082   }

(class) 1083 \DeclareDocumentCommand\@idxitem{}{
1084     \par\hangindent{40pt}
1085   }

```

**\subitem** (no arguments)

```

(class) 1086 \DeclareDocumentCommand\subitem{}{
1087     \@idxitem
1088     \hspace*{20pt}
1089   }

```

**\subsubitem** (no arguments)

```

(class) 1090 \DeclareDocumentCommand\subsubitem{}{
1091     \@idxitem
1092     \hspace*{30pt}
1093   }

(class) 1094 \DeclareDocumentCommand\indexspace{}{
1095     \par
1096     \skip_vertical:n{10pt plus 5pt minus 3pt}
1097   }

```

### 3.7.7 Miscellaneous

A macro `\comment` (alias `\com/\note`) is defined to let the user add comments and notes to the document.

**\_\_skrapport\_comment:n** (no arguments)

```

(class) 1098 \cs_new:Npn\__skrapport_comment:n#1{

```

```

1099     {\textbf{\__skrapport_Comment_word:}~#1}
1100 }

```

**\comment**(no arguments)

```

(class) 1101 \DeclareDocumentCommand\comment{sm}{
1102     \IfBooleanTF{#1}
1103     {\colorbox{red!50}{\__skrapport_comment:n{#2}}}
1104     {\marginpar{\__skrapport_comment:n{#2}}}
1105 }

```

**\com**(no arguments)

**\note**(no arguments)

```

(class) 1106 \ProvideDocumentCommand\com{sm}
1107     {\IfBooleanTF{#1}{\comment*{#2}}{\comment{#2}}}
1108 \ProvideDocumentCommand\note{sm}
1109     {\IfBooleanTF{#1}{\comment*{#2}}{\comment{#2}}}

```

### 3.7.8 Color theme support

Color theme setup. Start by patching commands and declaring default colors. Not implemented: background colors for e.g. quote environments and sections headings, different colors for the different sectioning levels.

```

(class) 1110 \bool_if:NT\g__skrapport_color_bool{
1111     \apptocmd{\bfseries}
1112     {\color{skrapport@boldcolor}}{}
1113     {\msg_warning:nnn{skrapport}{color-patch-failed}{\bfseries}}
1114     \apptocmd{\itshape}
1115     {\color{skrapport@italiccolor}}{}
1116     {\msg_warning:nnn{skrapport}{color-patch-failed}{\itshape}}
1117     \apptocmd{\__skrapport_title_style:}
1118     {\color{skrapport@titlecolor}}{}

```

```

1119         {\msg_warning:nnn{skrapport}{color-patch-failed}{\__skrapport_title_style:}
1120 \apptocmd{\__skrapport_smallprint_style:}
1121         {\color{skrapport@smallprintcolor}}{}}
1122         {\msg_warning:nnn{skrapport}{color-patch-failed}{\__skrapport_smallprint_st
1123 \AtBeginDocument{
1124         \cs_gset_eq:NN\__skrapport_old_abstractname:\abstractname
1125         \cs_set:Nn\abstractname{
1126             \color{skrapport@titlecolor}
1127             \__skrapport_old_abstractname:
1128         }
1129     }
1130 \apptocmd{\quote}
1131     {\color{skrapport@quotecolor}}{}}
1132     {\msg_warning:nnn{skrapport}{color-patch-failed}{\quote}}
1133 \apptocmd{\__skrapport_caption_name_style:}
1134     {\color{skrapport@captioncolor}}{}}
1135     {\msg_warning:nnn{skrapport}{color-patch-failed}{\__skrapport_caption_name_
1136 \apptocmd{\__skrapport_emphstyle:}
1137     {\color{skrapport@emphcolor}}{}}
1138     {\msg_warning:nnn{skrapport}{color-patch-failed}{\__skrapport_emphstyle:}}

(class) 1139 \AtBeginDocument{\@ifpackageloaded{hyperref}{%
1140     \hypersetup{%
1141         citebordercolor=skrapport@citecolor,citecolor=skrapport@citecolor,%
1142         filebordercolor=skrapport@filecolor,filecolor=skrapport@filecolor,%
1143         linkbordercolor=skrapport@linkcolor,linkcolor=skrapport@linkcolor,%
1144         menubordercolor=skrapport@menucolor,menucolor=skrapport@menucolor,%
1145         urlbordercolor=skrapport@urlcolor,urlcolor=skrapport@urlcolor,%
1146         runbordercolor=skrapport@runcolor,runcolor=skrapport@runcolor%
1147     }
1148     }{}}
1149 \AtBeginDocument{\color{skrapport@defaultcolor}}

```

`\colortheme`(no arguments)

The `\colortheme` macro allows the end-user to load color themes (described later) to customize the colors of the document when the class is loaded with the `color` option.

```
(class) 1150 \DeclareDocumentCommand\colortheme{m}{
1151         \usepackage{skrapport-colortheme-#1}
1152     }

(class) 1153 \colortheme{default}
1154 }
```

### 3.8 Final class setup

We end the document class by setting a few lengths along with the page style and page numbering. Also, activate `\raggedbottom` and `\onexcolumn` (since we always do all the two-column stuff ourselves anyway).

```
(class) 1155 \dim_set:Nn\columnsep{10pt}
1156 \dim_zero:N\columnseprule
1157 \pagestyle{plain}
1158 \pagenumbering{arabic}
1159 \raggedbottom
1160 \onexcolumn
1161 \endinput
```

### 3.9 Color themes

As described earlier, the user can load color themes to customize the appearance of the document if the class was loaded with the `color` option. Four themes are available by default.

#### 3.9.1 Default color theme

**Default** (theme)

```
(theme-default) 1 \RequirePackage{expl3}
2 \ProvidesExplPackage{skrapport-colortheme-default}
```

```

3      {2012/06/07}{1.0}{skrapport color theme default}
4 \definecolor{skrapport@citecolor}{named}{green}
5 \definecolor{skrapport@filecolor}{named}{teal}
6 \definecolor{skrapport@linkcolor}{named}{red}
7 \definecolor{skrapport@menucolor}{named}{red}
8 \definecolor{skrapport@urlcolor}{named}{cyan}
9 \definecolor{skrapport@runcolor}{named}{teal}
10 \definecolor{skrapport@boldcolor}{named}{black}
11 \definecolor{skrapport@titlecolor}{named}{black}
12 \definecolor{skrapport@italiccolor}{named}{black}
13 \definecolor{skrapport@smallprintcolor}{named}{black}
14 \definecolor{skrapport@quotecolor}{named}{black}
15 \definecolor{skrapport@captioncolor}{named}{black}
16 \definecolor{skrapport@emphcolor}{named}{black}
17 \definecolor{skrapport@defaultcolor}{named}{black}
18 \endinput

```

### 3.9.2 Unscathed color theme

#### Unscathed (theme)

```

(theme-unscathed) 1 \RequirePackage{expl3}
2 \ProvidesExplPackage{skrapport-colortheme-unscathed}
3      {2012/06/07}{1.0}{skrapport color theme unscathed}
4 \definecolor{skrapport@citecolor}{named}{skrapport@defaultcolor}
5 \definecolor{skrapport@filecolor}{named}{skrapport@defaultcolor}
6 \definecolor{skrapport@menucolor}{named}{skrapport@defaultcolor}
7 \definecolor{skrapport@runcolor}{named}{skrapport@defaultcolor}
8 \definecolor{skrapport@emphcolor}{HTML}{463335}
9 \definecolor{skrapport@linkcolor}{HTML}{CF5D3B}
10 \definecolor{skrapport@urlcolor}{named}{skrapport@linkcolor}
11 \definecolor{skrapport@titlecolor}{HTML}{B34430}
12 \definecolor{skrapport@captioncolor}{named}{skrapport@titlecolor}
13 \definecolor{skrapport@quotecolor}{HTML}{70524A}
14 \definecolor{skrapport@smallprintcolor}{named}{skrapport@quotecolor}
15 \endinput

```

### 3.9.3 Cruelwater color theme

#### Cruelwater (theme)

```
(theme-cruelwater) 1 \RequirePackage{expl3}
2 \ProvidesExplPackage{skrapport-colortheme-cruelwater}
3   {2012/06/07}{1.0}{skrapport color theme cruelwater}
4 \definecolor{skrapport@citecolor}{named}{black}
5 \definecolor{skrapport@filecolor}{named}{black}
6 \definecolor{skrapport@linkcolor}{named}{black}
7 \definecolor{skrapport@menucolor}{named}{black}
8 \definecolor{skrapport@urlcolor}{named}{black}
9 \definecolor{skrapport@runcolor}{named}{black}
10 \definecolor{skrapport@boldcolor}{HTML}{030C22}
11 \definecolor{skrapport@titlecolor}{HTML}{20293F}
12 \definecolor{skrapport@italiccolor}{named}{black}
13 \definecolor{skrapport@smallprintcolor}{HTML}{A9B0B3}
14 \definecolor{skrapport@quotecolor}{HTML}{404749}
15 \definecolor{skrapport@captioncolor}{HTML}{030C22}
16 \definecolor{skrapport@emphcolor}{HTML}{20293F}
17 \definecolor{skrapport@defaultcolor}{named}{black}
18 \endinput
```

### 3.9.4 Violet color theme

#### Violet (theme)

```
(theme-violet) 1 \RequirePackage{expl3}
2 \ProvidesExplPackage{skrapport-colortheme-violet}
3   {2012/06/07}{1.0}{skrapport color theme violet}
4 \definecolor{skrapport@citecolor}{HTML}{932444}
5 \definecolor{skrapport@filecolor}{HTML}{932444}
6 \definecolor{skrapport@linkcolor}{HTML}{932444}
7 \definecolor{skrapport@menucolor}{HTML}{932444}
8 \definecolor{skrapport@urlcolor}{HTML}{932444}
9 \definecolor{skrapport@runcolor}{HTML}{932444}
```

```

10 \definecolor{skrapport@boldcolor}{HTML}{311A2A}
11 \definecolor{skrapport@titlecolor}{HTML}{311A2A}
12 \definecolor{skrapport@italiccolor}{named}{black}
13 \definecolor{skrapport@smallprintcolor}{HTML}{D6CBCF}
14 \definecolor{skrapport@quotecolor}{HTML}{463335}
15 \definecolor{skrapport@captioncolor}{HTML}{311A2A}
16 \definecolor{skrapport@emphcolor}{HTML}{98758D}
17 \definecolor{skrapport@defaultcolor}{named}{black}
18 \endinput

```

### 3.9.5 skdoc color theme

**skdoc** (theme)

```

(theme-skdoc) 1 \RequirePackage{expl3}
2 \ProvidesExplPackage{skrapport-colortheme-skdoc}
3   {2013/04/10}{1.0}{skrapport color theme skdoc}
4 \definecolor{skrapport@citecolor}{RGB}{140,35,24}
5 \definecolor{skrapport@filecolor}{RGB}{73,10,61}
6 \definecolor{skrapport@linkcolor}{RGB}{140,35,24}
7 \definecolor{skrapport@menucolor}{RGB}{140,35,24}
8 \definecolor{skrapport@urlcolor}{RGB}{73,10,61}
9 \definecolor{skrapport@runcolor}{RGB}{73,10,61}
10 \definecolor{skrapport@boldcolor}{RGB}{73,10,61}
11 \definecolor{skrapport@titlecolor}{RGB}{11,72,107}
12 \definecolor{skrapport@italiccolor}{named}{black}
13 \definecolor{skrapport@smallprintcolor}{RGB}{11,72,107}
14 \definecolor{skrapport@quotecolor}{RGB}{140,35,24}
15 \definecolor{skrapport@captioncolor}{RGB}{11,72,107}
16 \definecolor{skrapport@emphcolor}{RGB}{73,10,61}
17 \definecolor{skrapport@defaultcolor}{named}{black}
18 \endinput

```



## 4 Point sizes

The point size options are pretty much  $\text{\LaTeX}$  3 translations of the standard article class option files. There's a lot of duplicate code here which may be worth to consolidate a bit.

### 4.0.6 Common macros

We first set up a package providing replacements for  $\text{\LaTeX}$  2<sub>ε</sub> macros, common to all the point size files.

```
(size-common) 1 \RequirePackage{expl3}
               2 \ProvidesExplPackage{skrapport-size-common}
               3 {2013/04/29}{1.0}{skrapport point size option common macros}

port_set_font_size:nn #1: Font size
                    #2: Baseline skip?
(size-common) 4 \cs_new:Npn\__skrapport_set_font_size:nn#2#3{
               5   \fontsize{#1}{#2} % !!!
               6 }

(size-common) 7 \endinput
```

### 4.0.7 10pt

```
(size-10) 1 \RequirePackage{expl3}
          2 \ProvidesExplFile{skrapport-size10.clo}
          3 {2013/04/29}{1.0}{skrapport point size option 10pt}
          4 \RequirePackage{skrapport-size-common}
```

**\normalsize** (no arguments)

```
(size-10) 5 \RenewDocumentCommand\normalsize{}{
          6   \__skrapport_set_font_size:nn{10}{12}
          7   \skip_gset:Nn \abovedisplayskip {10pt plus 2pt minus 5pt}
          8   \skip_gset:Nn \abovedisplayshortskip {0pt plus 3pt}
```

```

9      \skip_gset:Nn \belowdisplayshortskip {6pt plus 3pt minus 3pt}
10     \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
11     \cs_gset_eq:NN\@listi\@listI
12   }
<size-10> 13 \normalsize

```

**\small** (no arguments)

```

<size-10> 14 \NewDocumentCommand\small{}{
15   \__skrapport_set_font_size:nn{9}{11}
16   \skip_gset:Nn \abovedisplayskip {8.5pt plus 3pt minus 4pt}
17   \skip_gset:Nn \abovedisplayshortskip {0pt plus 2pt}
18   \skip_gset:Nn \belowdisplayshortskip {4pt plus 2pt minus 2pt}
19   \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
20   \cs_gset:Nn\@listi{
21     \dim_gset_eq:NN\leftmargin\leftmargini
22     \skip_gset:Nn\topsep{4pt plus 2pt minus 2pt}
23     \skip_gset:Nn\parsep{2pt plus 1pt minus 1pt}
24     \skip_gset_eq:NN\itemsep\parsep
25   }
26 }

```

**\footnotesize** (no arguments)

```

<size-10> 27 \NewDocumentCommand\footnotesize{}{
28   \__skrapport_set_font_size:nn{8}{9.5}
29   \skip_gset:Nn \abovedisplayskip {6pt plus 2pt minus 4pt}
30   \skip_gset:Nn \abovedisplayshortskip {0pt plus 1pt}
31   \skip_gset:Nn \belowdisplayshortskip {3pt plus 1pt minus 2pt}
32   \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
33   \cs_gset:Nn\@listi{
34     \dim_gset_eq:NN\leftmargin\leftmargini
35     \skip_gset:Nn\topsep{3pt plus 1pt minus 1pt}
36     \skip_gset:Nn\parsep{2pt plus 1pt minus 1pt}
37     \skip_gset_eq:NN\itemsep\parsep

```

```

38     }
39 }

```

**\scriptsize** (no arguments)

```

⟨size-10⟩ 40 \NewDocumentCommand\scriptsize{}{
41     \__skrappport_set_font_size:nn{7}{8}
42 }

```

**\tiny** (no arguments)

```

⟨size-10⟩ 43 \NewDocumentCommand\tiny{}{
44     \__skrappport_set_font_size:nn{5}{6}
45 }

```

**\large** (no arguments)

```

⟨size-10⟩ 46 \NewDocumentCommand\large{}{
47     \__skrappport_set_font_size:nn{12}{14}
48 }

```

**\Large** (no arguments)

```

⟨size-10⟩ 49 \NewDocumentCommand\Large{}{
50     \__skrappport_set_font_size:nn{14}{18}
51 }

```

**\LARGE** (no arguments)

```

⟨size-10⟩ 52 \NewDocumentCommand\LARGE{}{
53     \__skrappport_set_font_size:nn{17}{22}
54 }

```

**\huge** (no arguments)

```

⟨size-10⟩ 55 \NewDocumentCommand\huge{}{
56     \__skrappport_set_font_size:nn{20}{25}

```

57 }

**\Huge** (no arguments)

```
(size-10) 58 \NewDocumentCommand\Huge{}{  
59     \__skrapport_set_font_size:nn{25}{30}  
60 }
```

```
(size-10) 61 \dim_set:Nn\parindent {15pt}  
62 \skip_set:Nn\smallskipamount{ 3pt plus 1pt minus 1pt}  
63 \skip_set:Nn\medskipamount { 6pt plus 2pt minus 2pt}  
64 \skip_set:Nn\bigskipamount {12pt plus 4pt minus 4pt}  
65 \dim_set:Nn\headheight{12pt}  
66 \dim_set:Nn\headsep {25pt}  
67 \dim_set:Nn\topskip {10pt}  
68 \dim_set:Nn\footskip {30pt}  
69 \dim_set:Nn\maxdepth { 5pt}
```

These (*i.e.* text width and height) are hopefully overwritten by `typearea` later, so we don't bother much with them.

```
(size-10) 70 \dim_set:Nn\textwidth {\paperwidth-2cm}  
71 \dim_set:Nn\textheight{\paperheight-2cm}
```

```
(size-10) 72 \dim_set:Nn\oddsidemargin {.2cm}  
73 \dim_set:Nn\evensidemargin {1cm}  
74 \dim_set:Nn\marginparsep {11pt}  
75 \dim_set:Nn\marginparpush {5pt}  
76 \dim_set:Nn\marginparwidth {.8cm-\marginparsep}  
77 \dim_set:Nn\topmargin{\paperheight-1cm  
78     -\headheight-\headsep  
79     -\textheight-\footskip  
80     -.5\topmargin}  
81 \dim_set:Nn\footnotesep{6.65pt}  
82 \skip_set:Nn{\skip\footins} { 9pt plus 4pt minus 2pt}  
83 \skip_set:Nn\floatsep {12pt plus 2pt minus 2pt}  
84 \skip_set:Nn\textfloatsep {20pt plus 2pt minus 4pt}  
85 \skip_set:Nn\intextsep {12pt plus 2pt minus 2pt}
```

```

86 \skip_set:Nn\dblfloatsep {12pt plus 2pt minus 2pt}
87 \skip_set:Nn\dbltextfloatsep{20pt plus 2pt minus 4pt}

```

These six have been changed slightly compared to size10.clo.

```

(size-10) 88 \skip_set:Nn\@fptop{ 5pt}
89 \skip_set:Nn\@fpsep{10pt plus 2fil}
90 \skip_set:Nn\@fpbot{ 5pt}
91 \skip_set:Nn\@dblftop{ 5pt}
92 \skip_set:Nn\@dblpsep{10pt plus 2fil}
93 \skip_set:Nn\@dblpbot{ 5pt}

(size-10) 94 \skip_set:Nn\partopsep{2pt plus 1pt minus 1pt}
95 \cs_new:Nn\@listi{
96   \dim_gset_eq:NN\leftmargin\leftmargini
97   \skip_gset:Nn\parsep {4pt plus 2pt minus 1pt}
98   \skip_gset:Nn\topsep {8pt plus 2pt minus 4pt}
99   \skip_gset:Nn\itemsep{4pt plus 2pt minus 1pt}
100 }
101 \cs_set_eq:NN\@listI\@listi
102 \@listi
103 \cs_new:Nn\@listii{
104   \dim_gset_eq:NN\leftmargin\leftmarginii
105   \dim_gset:Nn\labelwidth{\leftmarginii-\labelsep}
106   \skip_gset:Nn\parsep {2pt plus 1pt minus 1pt}
107   \skip_gset:Nn\topsep {4pt plus 2pt minus 1pt}
108   \skip_gset_eq:NN\itemsep\parsep
109 }
110 \cs_new:Nn\@listiii{
111   \dim_gset_eq:NN\leftmargin\leftmarginiii
112   \dim_gset:Nn\labelwidth{\leftmarginiii-\labelsep}
113   \skip_gset_eq:NN\parsep\c_zero_skip
114   \skip_gset:Nn\topsep {2pt plus 1pt minus 1pt}
115   \skip_gset:Nn\partopsep{1pt plus 0pt minus 1pt}
116   \skip_gset_eq:NN\itemsep\topsep
117 }
118 \cs_new:Nn\@listiv{

```

```

119     \dim_gset_eq:NN\leftmargin\leftmarginiv
120     \dim_gset:Nn\labelwidth{\leftmarginiv-\labelsep}
121   }
122   \cs_new:Nn\@listv{
123     \dim_gset_eq:NN\leftmargin\leftmarginiv
124     \dim_gset:Nn\labelwidth{\leftmarginiv-\labelsep}
125   }
126   \cs_new:Nn\@listvi{
127     \dim_gset_eq:NN\leftmargin\leftmarginvi
128     \dim_gset:Nn\labelwidth{\leftmarginvi-\labelsep}
129   }
130   \endinput

```

#### 4.0.8 11 pt

```

⟨size-11⟩ 1 \RequirePackage{expl3}
2 \ProvidesExplFile{skrapport-size11.clo}
3   {2013/04/29}{1.0}{skrapport point size option 11pt}
4 \RequirePackage{skrapport-size-common}

```

**\normalsize** (no arguments)

```

⟨size-11⟩ 5 \RenewDocumentCommand\normalsize{}{
6   __skrapport_set_font_size:nn{11}{13.2}
7   \skip_gset:Nn \abovedisplayskip {11pt plus 3pt minus 6pt}
8   \skip_gset:Nn \abovedisplayshortskip {0pt plus 3pt}
9   \skip_gset:Nn \belowdisplayshortskip {6.5pt plus 3.5pt minus 3pt}
10  \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
11  \cs_gset_eq:NN\@listi\@listI
12 }

```

```

⟨size-11⟩ 13 \normalsize

```

**\small** (no arguments)

```

⟨size-11⟩ 14 \NewDocumentCommand\small{}{
15     \__skrapport_set_font_size:nn{10}{12}
16     \skip_gset:Nn \abovedisplayskip {10pt plus 2pt minus 5pt}
17     \skip_gset:Nn \abovedisplayshortskip {0pt plus 2pt}
18     \skip_gset:Nn \belowdisplayshortskip {6pt plus 3pt minus 3pt}
19     \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
20     \cs_gset:Nn\@listi{
21         \dim_gset_eq:NN\leftmargin\leftmargini
22         \skip_gset:Nn\topsep{6pt plus 2pt minus 2pt}
23         \skip_gset:Nn\parsep{3pt plus 2pt minus 1pt}
24         \skip_gset_eq:NN\itemsep\parsep
25     }
26 }

```

**\footnotesize** (no arguments)

```

⟨size-11⟩ 27 \NewDocumentCommand\footnotesize{}{
28     \__skrapport_set_font_size:nn{9}{11}
29     \skip_gset:Nn \abovedisplayskip {8pt plus 2pt minus 4pt}
30     \skip_gset:Nn \abovedisplayshortskip {0pt plus 1pt}
31     \skip_gset:Nn \belowdisplayshortskip {4pt plus 2pt minus 2pt}
32     \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
33     \cs_gset:Nn\@listi{
34         \dim_gset_eq:NN\leftmargin\leftmargini
35         \skip_gset:Nn\topsep{4pt plus 2pt minus 2pt}
36         \skip_gset:Nn\parsep{2pt plus 1pt minus 1pt}
37         \skip_gset_eq:NN\itemsep\parsep
38     }
39 }

```

**\scriptsize** (no arguments)

```

⟨size-11⟩ 40 \NewDocumentCommand\scriptsize{}{
41     \__skrapport_set_font_size:nn{8}{9.5}
42 }

```

**\tiny** (no arguments)

```
<size-11> 43 \NewDocumentCommand\tiny{}{  
44     \__skrapport_set_font_size:nn{6}{7}  
45 }
```

**\large** (no arguments)

```
<size-11> 46 \NewDocumentCommand\large{}{  
47     \__skrapport_set_font_size:nn{12}{14}  
48 }
```

**\Large** (no arguments)

```
<size-11> 49 \NewDocumentCommand\Large{}{  
50     \__skrapport_set_font_size:nn{14}{18}  
51 }
```

**\LARGE** (no arguments)

```
<size-11> 52 \NewDocumentCommand\LARGE{}{  
53     \__skrapport_set_font_size:nn{17}{22}  
54 }
```

**\huge** (no arguments)

```
<size-11> 55 \NewDocumentCommand\huge{}{  
56     \__skrapport_set_font_size:nn{20}{25}  
57 }
```

**\Huge** (no arguments)

```
<size-11> 58 \NewDocumentCommand\Huge{}{  
59     \__skrapport_set_font_size:nn{25}{30}  
60 }
```

```
<size-11> 61 \dim_set:Nn\parindent {17pt}
```



```

62 \skip_set:Nn\smallskipamount{ 3pt plus 1pt minus 1pt}
63 \skip_set:Nn\medskipamount { 6pt plus 2pt minus 2pt}
64 \skip_set:Nn\bigskipamount {12pt plus 4pt minus 4pt}
65 \dim_set:Nn\headheight{12pt}
66 \dim_set:Nn\headsep {25pt}
67 \dim_set:Nn\topskip {10pt}
68 \dim_set:Nn\footskip {30pt}
69 \dim_set:Nn\maxdepth { 5pt}

```

These (*i.e.* text width and height) are hopefully overwritten by typearea later, so we don't bother much with them.

```

⟨size-11⟩ 70 \dim_set:Nn\textwidth {\paperwidth-2cm}
71 \dim_set:Nn\textheight{\paperheight-2cm}

```

```

⟨size-11⟩ 72 \dim_set:Nn\oddsidemargin {.2cm}
73 \dim_set:Nn\evensidemargin {1cm}
74 \dim_set:Nn\marginparsep {11pt}
75 \dim_set:Nn\marginparpush {5pt}
76 \dim_set:Nn\marginparwidth {.8cm-\marginparsep}
77 \dim_set:Nn\topmargin{\paperheight-1cm
78 \dim_set:Nn\topmargin{-\headheight-\headsep
79 \dim_set:Nn\topmargin{-\textheight-\footskip
80 \dim_set:Nn\topmargin{-.5\topmargin}
81 \dim_set:Nn\footnotesep{7.7pt}
82 \skip_set:Nn{\skip\footins} {10pt plus 4pt minus 2pt}
83 \skip_set:Nn\floatsep {12pt plus 2pt minus 2pt}
84 \skip_set:Nn\textfloatsep {20pt plus 2pt minus 4pt}
85 \skip_set:Nn\intextsep {12pt plus 2pt minus 2pt}
86 \skip_set:Nn\dblfloatsep {12pt plus 2pt minus 2pt}
87 \skip_set:Nn\dbltextfloatsep{20pt plus 2pt minus 4pt}

```

These six have been changed slightly compared to size11.clo.

```

⟨size-11⟩ 88 \skip_set:Nn\@fptop{5.5pt}
89 \skip_set:Nn\@fpsep{ 11pt plus 2fil}
90 \skip_set:Nn\@fpbot{5.5pt}
91 \skip_set:Nn\@dblftop{5.5pt}

```

```

92 \skip_set:Nn\@dblfpsep{ 11pt plus 2fil}
93 \skip_set:Nn\@dblfpbot{5.5pt}

<size-11> 94 \skip_set:Nn\partopsep{3pt plus 1pt minus 1pt}
95 \cs_new:Nn\@listi{
96   \dim_gset_eq:NN\leftmargin\leftmargini
97   \skip_gset:Nn\parsep {4.5pt plus 2pt minus 1pt}
98   \skip_gset:Nn\topsep { 9pt plus 3pt minus 5pt}
99   \skip_gset:Nn\itemsep{4.5pt plus 2pt minus 1pt}
100 }
101 \cs_set_eq:NN\@listI\@listi
102 \@listi
103 \cs_new:Nn\@listii{
104   \dim_gset_eq:NN\leftmargin\leftmarginii
105   \dim_gset:Nn\labelwidth{\leftmarginii-\labelsep}
106   \skip_gset:Nn\parsep { 2pt plus 1pt minus 1pt}
107   \skip_gset:Nn\topsep {4.5pt plus 2pt minus 1pt}
108   \skip_gset_eq:NN\itemsep\parsep
109 }
110 \cs_new:Nn\@listiii{
111   \dim_gset_eq:NN\leftmargin\leftmarginiii
112   \dim_gset:Nn\labelwidth{\leftmarginiii-\labelsep}
113   \skip_gset_eq:NN\parsep\c_zero_skip
114   \skip_gset:Nn\topsep {2pt plus 1pt minus 1pt}
115   \skip_gset:Nn\partopsep{1pt plus 0pt minus 1pt}
116   \skip_gset_eq:NN\itemsep\topsep
117 }
118 \cs_new:Nn\@listiv{
119   \dim_gset_eq:NN\leftmargin\leftmarginiv
120   \dim_gset:Nn\labelwidth{\leftmarginiv-\labelsep}
121 }
122 \cs_new:Nn\@listv{
123   \dim_gset_eq:NN\leftmargin\leftmarginv
124   \dim_gset:Nn\labelwidth{\leftmarginv-\labelsep}
125 }
126 \cs_new:Nn\@listv{

```

```

127     \dim_gset_eq:NN\leftmargin\leftmarginvi
128     \dim_gset:Nn\labelwidth{\leftmarginvi-\labelsep}
129   }
130 \endinput

```

#### 4.0.9 12pt

```

⟨size-12⟩ 1 \RequirePackage{expl3}
2 \ProvidesExplFile{skrapport-size12.clo}
3   {2013/04/29}{1.0}{skrapport point size option 12pt}
4 \RequirePackage{skrapport-size-common}

```

**\normalsize** (no arguments)

```

⟨size-12⟩ 5 \RenewDocumentCommand\normalsize{}{
6   \__skrapport_set_font_size:nn{12}{14.5}
7   \skip_gset:Nn \abovedisplayskip {12pt plus 3pt minus 7pt}
8   \skip_gset:Nn \abovedisplayshortskip {0pt plus 3pt}
9   \skip_gset:Nn \belowdisplayshortskip {6.5pt plus 3.5pt minus 3pt}
10  \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
11  \cs_gset_eq:NN\@listi\@listI
12 }
⟨size-12⟩ 13 \normalsize

```

**\small** (no arguments)

```

⟨size-12⟩ 14 \NewDocumentCommand\small{}{
15   \__skrapport_set_font_size:nn{11}{13.6}
16   \skip_gset:Nn \abovedisplayskip {11pt plus 3pt minus 6pt}
17   \skip_gset:Nn \abovedisplayshortskip {0pt plus 3pt}
18   \skip_gset:Nn \belowdisplayshortskip {6.5pt plus 3.5pt minus 3pt}
19   \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
20   \cs_gset:Nn\@listi{
21     \dim_gset_eq:NN\leftmargin\leftmarginI

```

```

22         \skip_gset:Nn\topsep{ 9pt plus 3pt minus 5pt}
23         \skip_gset:Nn\parsep{4.5pt plus 2pt minus 1pt}
24         \skip_gset_eq:NN\itemsep\parsep
25     }
26 }

```

### **\footnotesize** (no arguments)

```

⟨size-12⟩ 27 \NewDocumentCommand\footnotesize{}{
28     \__skrapport_set_font_size:nn{10}{12}
29     \skip_gset:Nn \abovedisplayskip {10pt plus 2pt minus 5pt}
30     \skip_gset:Nn \abovedisplayshortskip { 0pt plus 3pt}
31     \skip_gset:Nn \belowdisplayshortskip { 6pt plus 3pt minus 3pt}
32     \skip_gset_eq:NN\belowdisplayskip \abovedisplayskip
33     \cs_gset:Nn\@listi{
34         \dim_gset_eq:NN\leftmargin\leftmargini
35         \skip_gset:Nn\topsep{6pt plus 2pt minus 2pt}
36         \skip_gset:Nn\parsep{3pt plus 2pt minus 1pt}
37         \skip_gset_eq:NN\itemsep\parsep
38     }
39 }

```

### **\scriptsize** (no arguments)

```

⟨size-12⟩ 40 \NewDocumentCommand\scriptsize{}{
41     \__skrapport_set_font_size:nn{8}{9.5}
42 }

```

### **\tiny** (no arguments)

```

⟨size-12⟩ 43 \NewDocumentCommand\tiny{}{
44     \__skrapport_set_font_size:nn{6}{7}
45 }

```

### **\large** (no arguments)

```

⟨size-12⟩ 46 \NewDocumentCommand\large{}{

```

```

47     \__skrapport_set_font_size:nn{14}{18}
48 }

```

**\Large** (no arguments)

```

⟨size-12⟩ 49 \NewDocumentCommand\Large{}{
50     \__skrapport_set_font_size:nn{17}{22}
51 }

```

**\LARGE** (no arguments)

```

⟨size-12⟩ 52 \NewDocumentCommand\LARGE{}{
53     \__skrapport_set_font_size:nn{20}{25}
54 }

```

**\huge** (no arguments)

```

⟨size-12⟩ 55 \NewDocumentCommand\huge{}{
56     \__skrapport_set_font_size:nn{25}{30}
57 }

```

**\Huge** (no arguments)

This definition does not match size12.clo.

```

⟨size-12⟩ 58 \NewDocumentCommand\Huge{}{
59     \__skrapport_set_font_size:nn{30}{36}
60 }

```

```

⟨size-12⟩ 61 \dim_set:Nn\parindent{1.5em}
62 \skip_set:Nn\smallskipamount{ 3pt plus 1pt minus 1pt}
63 \skip_set:Nn\medskipamount { 6pt plus 2pt minus 2pt}
64 \skip_set:Nn\bigskipamount {12pt plus 4pt minus 4pt}
65 \dim_set:Nn\headheight{12pt}
66 \dim_set:Nn\headsep {25pt}
67 \dim_set:Nn\topskip {10pt}
68 \dim_set:Nn\footskip {30pt}
69 \dim_set:Nn\maxdepth { 5pt}

```

These (*i.e.* text width and height) are hopefully overwritten by typearea later, so we don't bother much with them.

```

<size-11> 131 \dim_set:Nn\textwidth {\paperwidth-2cm}
132 \dim_set:Nn\textheight{\paperheight-2cm}

<size-11> 133 \dim_set:Nn\oddsidemargin {.2cm}
134 \dim_set:Nn\evensidemargin {1cm}
135 \dim_set:Nn\marginparsep {11pt}
136 \dim_set:Nn\marginparpush {5pt}
137 \dim_set:Nn\marginparwidth {.8cm-\marginparsep}
138 \dim_set:Nn\topmargin{\paperheight-1cm
139                      -\headheight-\headsep
140                      -\textheight-\footskip
141                      -.5\topmargin}
142 \dim_set:Nn\footnotesep{8.4pt}
143 \skip_set:Nn{\skip\footins} {10.8pt plus 4pt minus 2pt}
144 \skip_set:Nn\floatsep {12pt plus 2pt minus 4pt}
145 \skip_set:Nn\textfloatsep {20pt plus 2pt minus 4pt}
146 \skip_set:Nn\intextsep {14pt plus 4pt minus 4pt}
147 \skip_set:Nn\dblfloatsep {14pt plus 2pt minus 4pt}
148 \skip_set:Nn\dbltextfloatsep{20pt plus 2pt minus 4pt}

```

These six have been changed slightly compared to size11.clo.

```

<size-11> 149 \skip_set:Nn\@fptop{ 6pt}
150 \skip_set:Nn\@fpsep{12pt plus 2fil}
151 \skip_set:Nn\@fpbot{ 6pt}
152 \skip_set:Nn\@dblftop{ 6pt}
153 \skip_set:Nn\@dblfpsep{12pt plus 2fil}
154 \skip_set:Nn\@dblfpbot{ 6pt}

<size-11> 155 \skip_set:Nn\partopsep{3pt plus 2pt minus 2pt}
156 \cs_new:Nn\@listi{
157   \dim_gset_eq:NN\leftmargin\leftmargini
158   \skip_gset:Nn\parsep { 5pt plus 2.5pt minus 1pt}
159   \skip_gset:Nn\topsep {10pt plus 4pt minus 6pt}
160   \skip_gset:Nn\itemsep{ 5pt plus 2.5pt minus 1pt}

```

```

161 }
162 \cs_set_eq:NN\@listI\@listi
163 \@listi
164 \cs_new:Nn\@listii{
165   \dim_gset_eq:NN\leftmargin\leftmarginii
166   \dim_gset:Nn\labelwidth{\leftmarginii-\labelsep}
167   \skip_gset:Nn\parsep {2.5pt plus 1pt minus 1pt}
168   \skip_gset:Nn\topsep { 5pt plus 2.5pt minus 1pt}
169   \skip_gset_eq:NN\itemsep\parsep
170 }
171 \cs_new:Nn\@listiii{
172   \dim_gset_eq:NN\leftmargin\leftmarginiii
173   \dim_gset:Nn\labelwidth{\leftmarginiii-\labelsep}
174   \skip_gset_eq:NN\parsep\c_zero_skip
175   \skip_gset:Nn\topsep {2.5pt plus 1pt minus 1pt}
176   \skip_gset:Nn\partopsep{ 1pt plus 0pt minus 1pt}
177   \skip_gset_eq:NN\itemsep\topsep
178 }
179 \cs_new:Nn\@listiv{
180   \dim_gset_eq:NN\leftmargin\leftmarginiv
181   \dim_gset:Nn\labelwidth{\leftmarginiv-\labelsep}
182 }
183 \cs_new:Nn\@listv{
184   \dim_gset_eq:NN\leftmargin\leftmarginv
185   \dim_gset:Nn\labelwidth{\leftmarginv-\labelsep}
186 }
187 \cs_new:Nn\@listvi{
188   \dim_gset_eq:NN\leftmargin\leftmarginvi
189   \dim_gset:Nn\labelwidth{\leftmarginvi-\labelsep}
190 }
191 \endinput

```

## 5 Installation

The easiest way to install this package is using the package manager provided by your  $\text{\LaTeX}$  installation if such a program is available. Failing that, provided you have obtained the package source (`skrapport.tex` and `Makefile`) from either CTAN or Github, running `make install` inside the source directory works well. This will extract the documentation and code from `skrapport.tex`, install all files into the TDS tree at `TEXMFHOME` and run `mktexlsr`.

If you want to extract code and documentation without installing the package, run `make all` instead. If you insist on not using `make`, remember that packages distributed using `skdoc` must be extracted using `pdf $\text{\LaTeX}$` , *not* `tex` or `latex`.

## 6 Changes

vo.01

General: Initial version.

vo.02

indent: Added option of indented paragraphs.

vo.03

General: Removed `\rd` and `\id`.

vo.04

General: Added microtype package.

vo.05

General: Improved documentation.

vo.06

General: Corrected checksum, further improved documentation.

vo.07

General: Various bugfixes,  $\text{\LaTeX}$  compatibility, better float settings, quote style fix, `intllimits` option to `amsmath`.

`\license`: Added command `\license`.

`kpfonts`: Added option `kpfonts`, set as default option for fonts.

vo.07a

General: Fixed `kpfonts` issues.



#### v0.08

twocolumn: Added option twocolumn.

#### v0.09

General: Introduced kvoptions, fixed abstract in twocolumn mode.

color: Added color option.

sftitles: Added sftitles option.

Cruelwater: Added ‘Cruelwater’ color theme.

Default: Added default color theme.

Unscathed: Added ‘Unscathed’ color theme.

Violet: Added ‘Violet’ color theme.

#### v0.10

General: Include skmath if exists and wanted. Gobble optional arguments to figure and table in two-column mode..

onocol: Fixed, now not completely broken.

\comment: Added macro for comments.

#### v0.10a

General: Include xparse (fixes breakage)..

#### v0.10b

\author: Improved \author macro.

\note: Fixed a silly error in \com and \note.

#### v0.10c

\@makecaption: Fix missing coloring command for some captions.

#### v0.11

General: Added minion for Adobe Minion Pro font.

minion: Added option minion.

#### v0.11a

General: Added skdoc font option and skdoc color theme.

\\_\_skrapport\_title\_style:: Removed incorrect \bfseries, replaced \relax with \rmfamily.

skdoc: Added option skdoc.

skdoc: Added ‘skdoc’ color theme.

#### v0.12

General: Deprecated several macros, moved to  $\LaTeX$ 3.

thebibliography: Removed \@mkboth, \@openbib@code and \@noitemerr.

<code>theindex</code> : Use multicol instead of <code>\twocolumn</code> mode, removed <code>\@mkboth</code> call.	<code>bftitles</code> : Option is now deprecated.
<code>\@makecaption</code> : Split <code>\@captionstyle</code> into two macros.	<code>color</code> : Converted to a key-value option which will load the specified color theme..
<code>\__skrapport_setup_paper:n</code> : Use <code>typearea</code> to set paper size.	<code>eng</code> : Option is now deprecated.
<code>\author</code> : Use comma-separated lists instead of token list.	<code>kpfonts</code> : Option is now deprecated.
<code>\bf</code> : Deprecated command.	<code>lang</code> : Incompatible change: values <code>swe</code> and <code>eng</code> are now <code>sv</code> and <code>en</code> , respectively.
<code>\em</code> : Deprecated command.	<code>lmodern</code> : Option is now deprecated.
<code>\emph</code> : Changed definition, may have introduced spacing issues.	<code>math</code> : Option is now deprecated.
<code>\footnoterule</code> : Removed footnote rule entirely.	<code>minion</code> : Option is now deprecated.
<code>\it</code> : Deprecated command.	<code>nofont</code> : Option is now deprecated.
<code>\rm</code> : Deprecated command.	<code>noindent</code> : Option is now deprecated.
<code>\sc</code> : Deprecated command.	<code>onecolumn</code> : Option is now deprecated.
<code>\sf</code> : Deprecated command.	<code>palatino</code> : Option is now deprecated.
<code>\sl</code> : Deprecated command.	<code>paper</code> : Values <code>a4paper</code> and <code>a5paper</code> are now deprecated.
<code>\tableofcontents</code> : Removed spacing and <code>\@mkboth</code> call.	<code>rmtitles</code> : Option is now deprecated.
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<code>a5paper</code> : Option is now deprecated.	<code>swe</code> : Option is now deprecated.

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