The **dsekdocs** manual

D-sektionen

October 20, 2023

1 Overview

This is the manual for version 0.1.1 of the **dsekdocs** packages for the typesetting of documents for the D-guild at the technical faculty of Lund university.

2 The **dsek** package

This package contains macros for the inclusion of D-guild related stuff in any document. To use it, write `\usepackage{dsek}`.

2.1 Fonts

The **dsek** package uses the free Domitian and TeXGyre Heros as stand ins for non-free Palatino and Helvetica fonts.

It is worth noting that it by default uses old style figures, i.e. "lower case numbers", by default. If you want to turn that off somewhere, like maybe in a table, use

`\addfontfeatures{Numbers={Monospaced,Lining}}`

This makes the numbers full height and monospaced to increase readability.

2.2 Commands

2.2.1 Text snippets

These are commands that insert a snippet of text when used. They exist to prevent misspellings when writing hard to spell phrases.

\Dseklongname	D-sektionen inom TLTH
\idet	iDét
\medaljk	Medaljelelekommitén
\overphos	Øverphøs
\overpeppare	Øverpeppare
\medaljkmedlem	Medaljelelekommitémedlem

2.2.2 Graphics

These are commands that insert some kind of graphic when used. All graphics accept these options as the optional arguments (comma separated if multiple):

bw Forces the usage of the black and white version of the graphic.

color Forces the usage of the colored version of the graphic (if it exists).

height=*dim* Sets the height of the graphic.

Command	Colored	Black and white
\Dsymbol	N/A	
\Dseksigil		
\Cprogsigil		
\Dprogsigil		

2.2.3 Lists

As it is often desirable to create so called "att-listor" to reflect decisions taken or the proposed actions in motions, facilities to create them are provided:

```
\begin{attlist}
...
\end{attlist}
```

For example:

```
Mötet beslutade
\begin{attlist}
\item steka pannkakor,
\item D-sektionen är bäst!
\end{attlist}
```

> Mötet beslutade
>
> (1) **att** steka pannkakor,
>
> (2) **att** D-sektionen är bäst!

If you would like to create a list in the same style but with another word in place of *att*, use the `boldlist` environment:

```
\begin{boldlist}{⟨bullet word⟩}
...
\end{boldlist}
```

2.2.4 Signatures

Finally, the dsek package also includes facilities for adding signatures.

$$\texttt{\textbackslash signature[}\langle options\rangle\texttt{]}\{\langle date\ and\ location\rangle\}\{\langle name\rangle\}\{\langle title\rangle\}$$

For instance, a signature declaration that looks like this:

```
\signature{Lund, dag som ovan}{Trula Trulsson}{Ordförande}
```

results in

Lund, dag som ovan

Trula Trulsson
Ordförande

The signature command accepts the following options:

width=$\langle\boldsymbol{dim}\rangle$ Sets the width of the signature. By default, it is set to the maximum of the widths of the entered texts.

hspace=$\langle\boldsymbol{dim}\rangle$ Sets the height of the signature space. By default it is set to 15mm.

Additionally, the default signature height space for all signatures can be set through this command:

$$\texttt{\textbackslash setsignspaceheight}\{\langle dim\rangle\}$$

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2.3 Package options

The dsek package accepts the following options, (comma separated if multiple):

bw Makes graphics render in black and white by default.

color Makes graphics render in color by default.

3 The **dsekdoc** document class

The dsekdoc document class is meant to be used for any guild related documents for which the standard style is desired. It is based of the article document class, but changes fonts, paragraph styles, headers and footers amongst a few other things.

3.1 Options

The dsekdoc document declares two special options:

maketitle makes dsekdoc not redefine the \maketitle command (use the \coverpage command instead).

english tells the language package polyglossia that the main language for the document is English instead of Swedish.

All other arguments are passed through to the article document class.

3.2 Commands

Because of how the \title, \author and \date commands work, we can't easily use what is given to them for our own purposes, so as a replacement we have

$$\settitle\{\langle title \rangle\}, \setauthor\{\langle author \rangle\} \text{ and } \setdate\{\langle date \rangle\}$$

These commands wrap around the usual \title commands etc., so there's no need to use both.

3.2.1 Headers

In addition to the name of the guild and the date, the headers of the document will include a short version of the document title and the meeting it is meant for or when it was established. Those are set with

$$\setshorttitle\{\langle short\ title \rangle\} \text{ and } \setmeeting\{\langle meeting \rangle\}$$

3.2.2 Cover page

For longer, more important documents it is nice to have a cover page for the document. By default, the cover page is inserted with

$$\text{\textbackslash maketitle or \textbackslash coverpage}$$

In addition to the guild's name, the guild's sigil and the title of the document, the cover page also features a small text that might be used as a subtitle. It can be set with

$$\text{\textbackslash setcovptext\{}\langle text\rangle\text{\}}$$

3.2.3 Reusing

To use any of the properties we have described in this section, change the "set" in the command to "use". So, to use the title you set with the `\settitle` command in your document, you write `\usetitle` and it will be inserted.

4 The **dsekregdoc** document class

The dsekregdoc document class is meant to be used for the creation of the guild's regulatory documents. The only thing that it provides is the regsection list environment. It is intended to be the body of each section of a regulatory document; it begins right after the `\section` call and ends right before the next one. Inside it, each paragraph is declared like so:

$$\text{\textbackslash regitem\{}\langle title\rangle\text{\}.}$$

By default, all paragraphs follow the numbering format §$X.Y$, where X is the section number and Y is the paragraph number. This format can be altered with the following command:

$$\text{\textbackslash setregpnumformat\{}\langle format\rangle\text{\}}$$

The default format can be achieved like this:

`\setregpnumformat{§\arabic{section}.\arabic{DsekRegParagraph}}}`

If you want a single `regitem` to have a special numbering (maybe not a number at all), you can do so like this:

$$\texttt{\textbackslash regitem[}\langle\mathit{numbering}\rangle\texttt{]\{}\langle\mathit{title}\rangle\texttt{\}}$$

This won't step the paragraph counter.

All paragraphs can be linked to using the `\hyperlink` command to create clickable links in the document. So, to link to the paragraph §1.2, you would write

```
\hyperlink{par:§1.2}{See §1.2} for further examples.
```

5 Technical notes

5.1 Compatability

The dsekdoc and dsekregdoc document classes make use of the fontspec and polyglossia packages, both of which are incompatible with pdflatex. So, to use them, use xelatex or lualatex instead.