The *changes*-package
Manual change markup — version 0.5.2

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Contents

1 Introduction

This package provides manual change markup.

Any comments, thoughts or improvements are welcome, just send an email.

If you want to see the commented package-sourcecode, please uncomment `\OnlyDescription` in `changes.drv` and translate the document.

> README: The changes-package allows users to manually markup changes of text such as additions, deletions, or replacements. Changed text is shown in a different colour; deleted text is striked out. The package allows free defining of additional authors and their associated colour. It also allows you to define a markup for authors or annotations.

As I'm not a native speaker, please feel free to report any grammatic or orthographic errors.

2 User interface of the *changes*-package

For activating manual change management, address the *changes*-package as follows:

`\usepackage{changes}`

Options for the package are described in subsection 2.2.

2.1 Used packages

The *changes*-package uses already existing packages. The following packages have to be installed for the *changes*-package; otherwise errors may occur.

You will find detailed description of the packages in their distributions.

ifthen provides an enhanced `\if`-command as well as a `while`-loop

pdfcolmk solves the problem of coloured text and page breaks (with pdflatex)

ulem striking out texts

xcolor provides colourised markup of texts

xkeyval provides options with key-value-pairs

2.2 Options

draft

The draft-option enables markup of changes. The list of changes is available via
\listofchanges. This option is the default option, if no other option is selected.

\usepackage[draft]{changes}

final

The final-option disables markup of changes, only the correct text will be shown.
The list of changes is disabled, too.

\usepackage[final]{changes}

ulem

All options for the *ulem* package can be specified as parameters of the ulem-option.
Two or more option have to be embraced in curly brackets.

\usepackage[ulem=normalem]{changes}
\usepackage[ulem=normalem,normalbf]{changes}

xcolor

All options for the *xcolor* package can be specified as parameters of the xcolor-
option. Two or more option have to be embraced in curly brackets.

\usepackage[xcolor=dvipdf]{changes}
\usepackage[xcolor=dvipdf,gray]{changes}

2.3 New commands

This section describes all new commands of the *changes*-package.

2.3.1 Change management

\added

The command \added marks new text. The new text is the mandatory argu-
ment for the command, thus it is written in curly braces. There are two op-
tional arguments: author-id and remark. The author-id has to be defined using
\definechangesauthor. Use an empty author for an anonymous remark.

Definition   \added[⟨*author-id*⟩][⟨*remark*⟩]{⟨*new text*⟩}

Example   This is \added[EK]{new} text.
This is new^EK text.
This is \added[][anonymous]{new} text.
This is new[1] text.

\deleted

The command \deleted marks deleted text. For arguments see \added.

Definition   \deleted[⟨*author-id*⟩][⟨*remark*⟩]{⟨*deleted text*⟩}

Example   This is \deleted[][unnecessary]{bad} text.
This is ~~bad~~[2] text.

\replaced

The command \replaced marks replaced text. Mandatory arguments are new and old text. For optional arguments see \added.

Definition   \replaced[⟨*author-id*⟩][⟨*remark*⟩]{⟨*new text*⟩}{⟨*old text*⟩}

Example   This is \replaced[EK]{nice}{ugly} text.
This is nice~~ugly~~^EK text.

\listofchanges

The command \listofchanges outputs a list of changes. The first LATEX-run creates an auxiliary file, the second run uses the data of this file. Therefore you need two LATEX-runs for an actual list of changes.

Definition   \listofchanges

2.3.2 User specific adaptions

```
\definechangesauthor
```

The command \definechangesauthor defines a new author for changes. You have to define a unique author-id and a corresponding colour. Special characters or spaces are not allowed in the author-id. The name of the author can optionally be defined, it is used in the list of changes.

Definition   \definechangesauthor[⟨*author–name*⟩]{⟨*author–id*⟩}{⟨*colour*⟩}

Example   \definechangesauthor{EK}{orange}
            \definechangesauthor[Ekkart Kleinod]{EK}{orange}

```
\setlocextension
```

The command \setlocextension sets the extension of the auxiliary file for the list of changes. The default extension is "loc". In the example, the auxiliary file for "foo.tex" would be named named "foo.changes".

Definition   \setlocextension{⟨*extension*⟩}

Example   \setlocextension{changes}

```
\setauthormarkup
```

The command \setauthormarkup sets the layout of the authormarkup in the text. The default markup is a superscripted author-id on the right side of the changed text.

Values for position (optional): <u>left</u> = left of the changes; all other values: right
Values for definition: any LaTeX-commands, author-id can be shown using "#1".

Definition   \setauthormarkup[⟨*position*⟩]{⟨*definition*⟩}

Example   \setauthormarkup{(#1)}
            \setauthormarkup[left]{(#1)~--~}
            \setauthormarkup{\marginpar{#1}}
            \setauthormarkup[right]{}

> `\setremarkmarkup`

The command `\setremarkmarkup` sets the layout of the remarkmarkup in the text. The default markup sets the remark in a footnote.

Values for definition: any LaTeX-commands, author-id can be used with "#1", remark can be shown using "#2". Using the author-id you can use the author's colour with `Changes@Color#1`.

Definition `\setremarkmarkup{`⟨*definition*⟩`}`

Example `\setremarkmarkup{(#2:#1)}`
`\setremarkmarkup{\footnote{#1:\textcolor{Changes@Color#1}{#2}}}`

3 Versions

3.1 TODO/known bugs

– ant-task for deleting all *changes*-commands

– markup of figures/tables

– change-environments for longer text

– missing T1-fonts (umlauts) and *inputenc* create errors

– maybe introducing second-class change-commands (not so important), using starred commands?

3.2 Version 0.5.2

Date: 2007/10/10

– package options for *pdfcolmk, ulem,* and *xcolor* are passed to the packages

3.3 Version 0.5.1

Date: 2007/08/27

– deleted text is striked out again using package *ulem*, greying didn't work

3.4 Version 0.5

Date: 2007/08/26

– no usage of package *arrayjob* anymore, thus no errors using package *array*

– switch to UTF-8-encoding

– no usage of package *soul* anymore, thus no errors using UTF-8-encoding

– markup for deleted text changed to gray background, because there's no possibility to conveniently strikeout UTF-8-text

– new optional argument for author name

– coloured list of changes

– changed loc file format

– improved English documentation

3.5 Version 0.4

Date: 2007/01/24

– included *pdfcolmk* to solve problem with coloured text and page breaks

– extended \setremarkmarkup with author-id for using colour in remarks

– remarks are by default coloured now

– first version uploaded to CTAN

3.6 Version 0.3

Date: 2007/01/22

– english user-documentation

– replaced \changed with \replaced

– improved final-option: no additional space

3.7 Version 0.2

Date: 2007/01/17

- defined loc-names when missing *babel*-package

- \setauthormarkup, \setlocextension, \setremarkmarkup new

- generated examples

- inserted LPPL

Bugfixes

- fixed wrong *ifthen*-placement

- fixed error in loc, always showing "added"

- fixed authormarkup (\if-condition not bugfree)

3.8 Version 0.1

Date: 2007/01/16

- initial version

- commands \added, \deleted, and \changed

4 Distribution, Copyright, License

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http://www.latex-project.org/lppl.txt
and version 1.3 or later is part of all distributions of LaTeX version 2005/12/01 or later.

This work has the LPPL maintenance status "maintained". The current maintainer of this work is Ekkart Kleinod.

This work consists of the files

```
changes.drv
changes.dtx
changes.ins
README
```

and the derived files

```
changes.sty
changes.pdf
changes.example1.tex
changes.example2.tex
changes.example3.tex
```