

The *changes*-package

Manual change markup — version 0.5.3

Ekkart Kleinod
ekkart@ekkart.de

November 22, 2010

Contents

1	Introduction	3
2	User interface of the <i>changes</i>-package	3
2.1	Used packages	3
2.2	Options	4
2.3	New commands	4
2.3.1	Change management	5
2.3.2	User specific adaptations	6
3	Authors	7
4	Versions	7
4.1	TODO/known bugs	7
4.2	Version 0.5.3	7
4.3	Version 0.5.2	8
4.4	Version 0.5.1	8
4.5	Version 0.5	8
4.6	Version 0.4	8
4.7	Version 0.3	9
4.8	Version 0.2	9
4.9	Version 0.1	9
5	Distribution, Copyright, License	10

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.

The *changes* package reuses the declaration of `draft` in `\documentclass`. The local declaration of `final` overrules the declaration of `draft` in `\documentclass`.

```
\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.

The *changes* package reuses the declaration of `final` in `\documentclass`. The local declaration of `draft` overrules the declaration of `final` in `\documentclass`.

```
\usepackage[final]{changes}
```

ulem

All options for the *ulem* package can be specified as parameters of the *ulem*-option. Two or more options 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 argument for the command, thus it is written in curly braces. There are two optional 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 `newEK` text.
 This is `\added[][anonymous]{new}` text.
 This is `new1` 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 `bad2` 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 `niceuglyEK` 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 adaptations

`\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): left = left of the changes; all other values: right
Values for definition: any \TeX -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{\langle definition \rangle}`

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

3 Authors

The *changes* packages was written by several authors. The authors are (in alphabetical order):

- Kleinod, Ekkart
- Wolter, Steve

4 Versions

4.1 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?

4.2 Version 0.5.3

Date: 2010/11/22

- document options of `\documentclass` are used as well (suggestion and code of Steve Wolter)

4.3 Version 0.5.2

Date: 2007/10/10

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

4.4 Version 0.5.1

Date: 2007/08/27

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

4.5 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

4.6 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

4.7 Version 0.3

Date: 2007/01/22

- english user-documentation
- replaced `\changed` with `\replaced`
- improved `final-option`: no additional space

4.8 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)

4.9 Version 0.1

Date: 2007/01/16

- initial version
- commands `\added`, `\deleted`, and `\changed`

5 Distribution, Copyright, License

Copyright 2007-2010 Ekkart Kleinod (ekkart@ekkart.de)

This work may be distributed and/or modified under the conditions of the L^AT_EX Project Public License, either version 1.3 of this license or any later version. The latest version of this license is in

<http://www.latex-project.org/lppl.txt>

and version 1.3 or later is part of all distributions of L^AT_EX 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
```