

# The versionchanges package\*

Jander Moreira  
moreira.jander@gmail.com

2024/05/03

## Abstract

The versionchanges package helps to keep a record of the changes in a versioned document.

## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Package usage</b>	<b>2</b>
<b>3</b>	<b>Registering version and adding changes</b>	<b>2</b>

## Change History

<b>v0.1 (2024/05/05)</b>	Added two-colum support.....	2
Initial version.....		1
<b>vexample (1800/01/01)</b>	<b>vexample-a (1802/01/01)</b>	
All examples were replaced.....	Floating environments are no long sup- ported.....	2 3

*Warning:* **Change History** includes the examples also.

## 1 Introduction

This is “yet another” package for tracking documentation changes. There is not much new in relation to other packages for manually marking changes, such as **changes**<sup>1</sup>, **marginnote**<sup>2</sup> and **todonotes**<sup>3</sup>, the latter used as support for presenting margin notes.

This package, in particular, is tailored to record versions and types of changes, presenting the change as a note in the margin of the text and generating a list of changes for each version created.

---

\*This document corresponds to versionchanges v0.1, dated 2024/05/03. This text was last revised May 3, 2024.

<sup>1</sup><https://ctan.org/pkg/changes>.

<sup>2</sup><https://ctan.org/pkg/marginnote>

<sup>3</sup><https://ctan.org/pkg/todonotes>.

## 2 Package usage

This package depends on the following packages:

array	<a href="https://ctan.org/pkg/array">https://ctan.org/pkg/array</a>
marginnote	<a href="https://ctan.org/pkg/marginnote">https://ctan.org/pkg/marginnote</a>
multicol	<a href="https://ctan.org/pkg/multicol">https://ctan.org/pkg/multicol</a>
pgfkeys	<a href="https://www.ctan.org/pkg/pgfkeys">https://www.ctan.org/pkg/pgfkeys</a>
ragged2e	<a href="https://www.ctan.org/pkg/ragged2e">https://www.ctan.org/pkg/ragged2e</a>
todonotes	<a href="https://www.ctan.org/pkg/todonotes">https://www.ctan.org/pkg/todonotes</a>

To use the package, simply request its use in the preamble of the document.

```
\usepackage{versionchanges}
```

There are no package options available at this time.

## 3 Registering version and adding changes

The first step is to register each version. This is done through `\RegisterVersion`, informing the version and its date.

```
\VCRegisterVersion{<version>}{<date>}
```

The argument `{<version>}` is the version number, such as 1.0, 3.2-beta and so on, and `{<date>}` is intended to registers the date of that version. Actually this date can be any text.

```
\VCRegisterVersion{example}{1800/01/01}  
\VCRegisterVersion{example-a}{1802/01/01}
```

Any new change is registered with `\VCChange`.

```
\VCChange[<todonotes options>]{<change info>}[<header>]
```

This macro register a single change. The change info is a comma separated list with key/value pairs:

- **type**: the type of the change, which can be `released`, `new`, `updated`, `removed`, and `deprecated`;
- **version**: one of the registered versions (`\VCRegisterVersion`);
- **description**: the text to the list of changes

Among the change info, the key `suppress` can be specified, causing the item to be suppressed from the listing.

The optional `<header>` is a text to be used as a header in the margin note.

A first optional argument, `<todonotes options>`, can be used to pass any additional options that apply to a `todonotes`'s `\todo`. For example, if `disable` is used, the margin note is hidden.

```
% Update example  
\VCChange{type = updated, version = example, description = {All examples were  
↪ replaced.}}These are all the examples for this package:\ldots
```

Updated in  
vexample

-----  
These are all the examples for this package:...

```
% New example
\VCChange{type = new, version = example, description = {Added two-column
↪ support.}}[Two-column]A package option were included to handle two-column
↪ documents\ldots
```

**Two-column:**  
New in vexam-  
ple

A package option were included to handle two-column documents...

```
% Hidden update which shows only in the history of changes
\VCChange[disable]{type = updated, version = example-a, description = {Floating
↪ environments are no long supported.}}The use in floats is complex and will
↪ not be supported.\ldots
```

The use in floats is complex and will not be supported...

## \VCPrintChanges

The `\VCPrintChanges` creates an unnumbered section called *Change History* and presents the registered changes.

The order of the versions is defined by the order of creation with `\VCRegisterVersion`. The individual changes are in order of appearance in the document.

A two-pass compilation is needed to update the listing.

```
\VCPrintChanges
```

## Change History

<b>v0.1 (2024/05/05)</b>	Added two-column support. ....	2
Initial version .....		1
<b>vexample (1800/01/01)</b>	Floating environments are no long supported. ....	3
All examples were replaced. ....		2

```
\begingroup
\VCSet{
  version prefix = {Version:~},
  version style = \color{blue}\small,
  change style = \color{red}\footnotesize,
}
\VCPrintChanges
\endgroup
```

## Change History

<b>Version: 0.1 (2024/05/05)</b>	Added two-column support. ....	2
Initial version .....		1
<b>Version: example (1800/01/01)</b>	Floating environments are no long supported. ....	3
All examples were replaced. ....		2

## Index

deprecated, 2  
description, 2

new, 2

released, 2  
removed, 2

suppress, 2

type, 2

updated, 2

\VCChange, 2  
\VCPrintChanges, 3  
\VCRegisterVersion, 2  
version, 2