

The doclicense package*

Robin Schneider
ypid@riseup.net

April 7, 2019

Abstract

Support for putting documents under a license.
Information site on CTAN: <https://www.ctan.org/pkg/doclicense>
Example on Stackexchange: <https://tex.stackexchange.com/a/226788/32320>
Fork me on GitHub: <https://github.com/ypid/latex-packages/tree/master/doclicense>

Contents

Abstract	1
1 Introduction	1
2 Usage	1
3 Package options	2
4 Macros	3
5 Supported licenses	5
5.1 CC (Creative commons)	5
6 Contributing	5
7 Plaintext license text	6
8 Pretty license text	14
9 Creative Commons Legal Code	14
9.1 Attribution-ShareAlike 3.0 Unported	14
9.1.1 <i>License</i>	14
9.1.2 Creative Commons Notice	21

*This document corresponds to doclicense v1.9.0, dated 2019/04/07.

10 Implementation	22
10.1 Declaring the options	22
10.2 Dependencies	22
10.3 Declare variables and macros	23
10.4 User macros	24
10.5 Language selection	26
10.6 Internals	26

1 Introduction

The `doclicense` package allows you to put your document under a license and include a link to read about the license or include an icon or image of the license. Currently, only Creative Commons is supported but this package is designed to handle all kinds of licenses. See [Contributing](#).

2 Usage

Just load the package(s) placing

```
\usepackage{
% babel,
% hyperref,
% hyperxmp,
doclicense,
}
```

in the preamble of your L^AT_EX 2_ε source file. This will select the default license which is [CC BY-SA 3.0](#), currently. Please always set your license explicitly as package options like so:

```
\usepackage{
% babel,
% hyperref,
% hyperxmp,
}
\usepackage[
type={CC},
modifier={by-sa},
version={3.0},
]{doclicense}
```

This will explicitly set the license to [CC BY-SA 3.0](#).

If the `hyperxmp` package is loaded, then the options `pdflicenseurl` and `pdfcopyright` will be set by `doclicense` to the corresponding values (“<https://creativecommons.org/licenses/by-sa/3.0/deed.en>” and “This work is licensed under a [Creative Commons ‘Attribution-ShareAlike 3.0 Unported’](#) license.”).

3 Package options

- type** Sets the license type. Like in the previous example, the type can be “CC” to cover all the Creative Commons licenses. Please make sure that the type is all uppercase. See the [Supported licenses](#) section for a complete list.
Allows to select different subclasses of a license. In the example it is “by-sa”. Please make sure that the type is all lowercase. See the [Supported licenses](#) section for a complete list.
- version** As there can be more than one version of a license, the version can also be set.
- lang** This package can output some texts like the long license name. Because of this, there needs to be a way to specify the language to use. If this parameter is omitted, then this package will default to `\language` which is normally set by packages like `babel` or `polyglossia`.
Supported languages:
- Catalan Added by [Ernesto Lanchares](#).
 - Chinese Added by [sd44](#).
 - English Added by [Robin Schneider](#).
 - French Added by [Éric Guirbal](#).
 - Galician Submitted by Email.
 - German Added by [Robin Schneider](#).
 - Italian Added by [Filippo Rigotto](#).
 - Polish Added by [jsbien](#).
 - Portuguese Added by [Daniel Alexandre Cerqueira Santos](#).
 - Russian Added by [Anton Karmanov](#).
 - Spanish Added by [Carlos](#). Updated by [IgnacioFDM](#).
- imageposition** Image position for `\doclicenseThis`: right (default) or left.
- imagewidth** Default image width for the license image.
- imagedistance** Distance between text and image in `\doclicenseThis`.
- imagemodifier** Select different variations of license images. For example, Creative Commons provides sometimes more than one image for one version. See the [download page](#). You will note that there are `by-nc.eu` and `by-nc` which only differ in the money unit. By default the `by-nc` image would be used but you can change this with:
- ```
\usepackage[
 imagemodifier={-eu},
]{doclicense}
```
- Note that if French or German is set as language then “-eu” will be used as default for this option.  
Currently supported are “-eu” and “-us”.
- hyphenation** This option allows you to specify a macro name which is going to be expanded in the minipage environment of `\doclicenseThis`. That allows you to change the

behaviour how `\doclicenseLongText` is typeset. By default, this option is not enabled.

One possible use case is to set the option to “RaggedRight”. This will use the `\RaggedRight` macro provided by the `ragged2e` package<sup>1</sup>) with the intention of limiting the number of hyphenations while still allowing a hyphenation by typesetting `\doclicenseLongText` as ragged text.

The idea of using ragged text is that the `\doclicenseLongText` is usually one or two full line and one half full line so avoiding hyphenations might look better compared to justified text.

“RaggedRight” is also the setting used for this documentation. `\doclicenseThis` did not produce a hyphenation in case of this documentation but `TEX` did fill up the first text line to its full width by adding additional space between words. This has been avoided by setting the following option for this document:

```
\usepackage[
 hyphenation={RaggedRight},
]{doclicense}
```



Another option which can make sense is the `\raggedright` macro which more drastically limits the number of hyphenations. This can be set as shown below:

```
\usepackage[
 hyphenation={raggedright},
]{doclicense}
```



## 4 Macros

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>\doclicenseType</code>        | Expands to the type as set in the package options. Example: “CC”                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <code>\doclicenseLongType</code>    | Same as <code>\doclicenseType</code> except that it expands to the long license type. Example: “Creative Commons”                                                                                                                                                                                                                                                                                                                                                                                 |
| <code>\doclicenseModifier</code>    | Expands to the modifier as set in the package options. Example: “BY-SA”                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <code>\doclicenseVersion</code>     | Expands to the version as set in the package options. Example: “3.0”                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <code>\doclicenseURL</code>         | Expands to the official URL about the license. Note that it expands to the raw URL string without the use of <code>\href</code> or similar. If you want the link to be clickable then you can use <code>\href</code> or <code>\url</code> from the <code>hyperref</code> package or just read on because the following macros can also do this for your. Example: “ <a href="https://creativecommons.org/licenses/by-sa/3.0/deed.en">https://creativecommons.org/licenses/by-sa/3.0/deed.en</a> ” |
| <code>\doclicenseName</code>        | Expands to the short name of the license. Example: “CC BY-SA 3.0”                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <code>\doclicenseLongName</code>    | Expands to the long name of the license. Example: “Creative Commons Attribution-ShareAlike 3.0 Unported”                                                                                                                                                                                                                                                                                                                                                                                          |
| <code>\doclicenseNameRef</code>     | Same as <code>\doclicenseName</code> except that it links to the URL of the license. Example: “ <a href="#">CC BY-SA 3.0</a> ”                                                                                                                                                                                                                                                                                                                                                                    |
| <code>\doclicenseLongNameRef</code> | Same as <code>\doclicenseLongName</code> except that it links to the URL of the license. Example: “ <a href="#">Creative Commons Attribution-ShareAlike 3.0 Unported</a> ”                                                                                                                                                                                                                                                                                                                        |
| <code>\doclicenseText</code>        | Expands to a localized text which states that this document is licensed under the                                                                                                                                                                                                                                                                                                                                                                                                                 |

<sup>1</sup>The `ragged2e` package will be loaded when it is required.

|                                               |                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | license. Example: “This work is licensed under a ‘ <b>CC BY-SA 3.0</b> ’ license.”                                                                                                                     |
| <code>\doclicenseLongText</code>              | Same as <code>\doclicenseText</code> except that it uses the long name of the license. Example: “This work is licensed under a <b>Creative Commons ‘Attribution-ShareAlike 3.0 Unported’</b> license.” |
| <code>\doclicensePlainFullText</code>         | Verbatim prints the full license text.<br>An example can be found in the <b>Plaintext license text</b> section.                                                                                        |
| <code>\doclicensePlainFullTextFileName</code> | Expands to the file name which the <code>\doclicensePlainFullTextFileName</code> macro uses to <code>\input</code> the license text file.                                                              |
| <code>\doclicenseFullText</code>              | Nicely prints the full license text.<br>An example can be found in the <b>Pretty license text</b> section.                                                                                             |
| <code>\doclicenseFullTextFileName</code>      | Expands to the file name which the <code>\doclicenseFullText</code> macro uses to <code>\input</code> the license text file.                                                                           |
| <code>\doclicenseIcon</code>                  | Expands to a icon of the license. Example: “  ”. This macro is based on the <code>ccicons</code> package.             |
| <code>\doclicenseTypeIcon</code>              | Expands to a icon of the license type. Example: “  ”. This macro is based on the <code>ccicons</code> package.        |
| <code>\doclicenseImage</code>                 | This is kind of similar to <code>\doclicenseIcon</code> but it will typeset an bigger pictogram                                                                                                        |



of the license. Example: “”  
 Note that you can change the image size with the [`\imgewidth`] parameter like this: “”

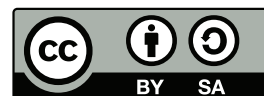
`\doclicenseImage[imgewidth=2em]`

The images are bundled with the `doclicense` package as vector graphics.

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>\doclicenseImageFileName</code> | This macro expands to the file name of the image which the <code>\doclicenseImage</code> typesets. You can use this file name with <code>\includegraphics</code> if you need more flexibility over how the image is typeset.<br>The current file name is: “ <code>doclicense-CC-by-sa</code> ”<br>You do not have to worry about the file path. Normally your $\LaTeX$ environment will find the image for you. |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                              |                                                                                                                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>\doclicenseThis</code> | And last but not least there is the <code>\doclicenseThis</code> macro which will typeset the <code>\doclicenseText</code> next to the <code>\doclicenseImage</code> in a “ <code>minipage</code> ” environment. This will look like the following: |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

This work is licensed under a **Creative Commons ‘Attribution-ShareAlike 3.0 Unported’** license.



## 5 Supported licenses

### 5.1 CC (Creative commons)

|                       |                           |
|-----------------------|---------------------------|
| <code>zero@1.0</code> | CC0 1.0 Universal         |
| <code>pd@1.0</code>   | Copyright-Only Dedication |

by@3.0 Attribution 3.0 Unported  
 by-sa@3.0 Attribution-ShareAlike 3.0 Unported  
 by-nd@3.0 Attribution-NoDerivs 3.0 Unported  
 by-nc@3.0 Attribution-NonCommercial 3.0 Unported  
 by-nc-sa@3.0 Attribution-NonCommercial-ShareAlike 3.0 Unported  
 by-nc-nd@3.0 Attribution-NonCommercial-NoDerivs 3.0 Unported  
 by@4.0 Attribution 4.0 International  
 by-sa@4.0 Attribution-ShareAlike 4.0 International  
 by-nd@4.0 Attribution-NoDerivatives 4.0 International  
 by-nc@4.0 Attribution-NonCommercial 4.0 International  
 by-nc-sa@4.0 Attribution-NonCommercial-ShareAlike 4.0 International  
 by-nc-nd@4.0 Attribution-NonCommercial-NoDerivatives 4.0 International

## 6 Contributing

This package is being developed on GitHub: <https://github.com/ypid/latex-packages/tree/master/doclicense>. When you want to modify the .sty file, make sure that you make your changes in the .dtx file instead, as the .sty file is automatically generated.

In case you want to add a translation for your language then just copy the file `doclicense-english.ldf` and replace the “english” in the filename with your language code (same as the language code used by `babel`) and translate the file. If there are multiple language codes which should map to the same translation then have a look at the file `doclicense-american.ldf`.

When you are done and have tested your translation (modify and run the `run_tests` script) then please send me the translated file(s) either via Email or preferably by opening a pull request on GitHub so that I can include them in the next release.

## 7 Plaintext license text

The following is an example output of the `\doclicensePlainFullText` macro.

Creative Commons Legal Code

Attribution-ShareAlike 3.0 Unported

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE  
 LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN  
 ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS  
 INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES

REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

#### License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

#### 1. Definitions

- a. "Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.
- b. "Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined below) for the purposes of this License.
- c. "Creative Commons Compatible License" means a license that is listed at <https://creativecommons.org/compatiblelicenses> that has been approved by Creative Commons as being essentially equivalent to this License, including, at a minimum, because that license: (i) contains terms that have the same purpose, meaning and effect as the License

Elements of this License; and, (ii) explicitly permits the relicensing of adaptations of works made available under that license under this License or a Creative Commons jurisdiction license with the same License Elements as this License.

- d. "Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.
- e. "License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.
- f. "Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.
- g. "Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.
- h. "Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.
- i. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.
- j. "Publicly Perform" means to perform public recitations of the Work and



to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

- k. "Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

- a. to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;
- b. to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";
- c. to Distribute and Publicly Perform the Work including as incorporated in Collections; and,
- d. to Distribute and Publicly Perform Adaptations.
- e. For the avoidance of doubt:

- i. Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;
- ii. Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or

- compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,
- iii. Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

- a. You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(c), as requested.
- b. You may Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License; (ii) a later version of this License with the same License Elements as this License; (iii) a Creative Commons jurisdiction license (either this or a later license version) that contains the same License Elements as this License (e.g., Attribution-ShareAlike 3.0 US)); (iv) a Creative Commons Compatible

License. If you license the Adaptation under one of the licenses mentioned in (iv), you must comply with the terms of that license. If you license the Adaptation under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the "Applicable License"), you must comply with the terms of the Applicable License generally and the following provisions: (I) You must include a copy of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute or Publicly Perform; (II) You may not offer or impose any terms on the Adaptation that restrict the terms of the Applicable License or the ability of the recipient of the Adaptation to exercise the rights granted to that recipient under the terms of the Applicable License; (III) You must keep intact all notices that refer to the Applicable License and to the disclaimer of warranties with every copy of the Work as included in the Adaptation You Distribute or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not impose any effective technological measures on the Adaptation that restrict the ability of a recipient of the Adaptation from You to exercise the rights granted to that recipient under the terms of the Applicable License. This Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not require the Collection apart from the Adaptation itself to be made subject to the terms of the Applicable License.

- c. If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the

purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

- d. Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

## 5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. Termination

- a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses

terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

- b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

#### 8. Miscellaneous

- a. Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.
- b. Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.
- c. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.
- d. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.
- e. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.
- f. The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the

standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

#### Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of the License.

Creative Commons may be contacted at <https://creativecommons.org/>.

## 8 Pretty license text

The following is an example output of the `\doclicenseFullText` macro.

## 9 Creative Commons Legal Code

### 9.1 Attribution-ShareAlike 3.0 Unported

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION

PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

### 9.1.1 *License*

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE (“CCPL” OR “LICENSE”). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

#### 1. Definitions

- (a) **“Adaptation”** means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image (“synching”) will be considered an Adaptation for the purpose of this License.
- (b) **“Collection”** means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined below) for the purposes of this License.
- (c) **“Creative Commons Compatible License”** means a license that is listed at <https://creativecommons.org/compatiblelicenses> that has been approved by Creative Commons as being essentially equivalent to this License, including, at a minimum, because that license: (i) contains terms that have the same purpose, meaning and effect as the License Elements of this License; and, (ii) explicitly permits the relicensing of adaptations of works

made available under that license under this License or a Creative Commons jurisdiction license with the same License Elements as this License.

- (d) **“Distribute”** means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.
- (e) **“License Elements”** means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.
- (f) **“Licensor”** means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.
- (g) **“Original Author”** means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.
- (h) **“Work”** means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.
- (i) **“You”** means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.
- (j) **“Publicly Perform”** means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to



make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

- (k) **“Reproduce”** means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

**2. Fair Dealing Rights.** Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

**3. License Grant.** Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

- (a) to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;
- (b) to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked “The original work was translated from English to Spanish,” or a modification could indicate “The original work has been modified.”;
- (c) to Distribute and Publicly Perform the Work including as incorporated in Collections; and,
- (d) to Distribute and Publicly Perform Adaptations.
- (e) For the avoidance of doubt:
  - (1) **Non-waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;
  - (2) **Waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

- (3) **Voluntary License Schemes.** The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

**4. Restrictions.** The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

- (a) You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(c), as requested.
- (b) You may Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License; (ii) a later version of this License with the same License Elements as this License; (iii) a Creative Commons jurisdiction license (either this or a later license version) that contains the same License Elements as this License (e.g., Attribution-ShareAlike 3.0 US); (iv) a Creative Commons Compatible License. If you license the Adaptation under one of the licenses mentioned in (iv), you must comply with the terms of that license. If you license the Adaptation under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the “Applicable License”), you must comply with the terms of the Applicable License generally and the following provisions: (I) You must include a copy of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute or Publicly Perform; (II) You

may not offer or impose any terms on the Adaptation that restrict the terms of the Applicable License or the ability of the recipient of the Adaptation to exercise the rights granted to that recipient under the terms of the Applicable License; (III) You must keep intact all notices that refer to the Applicable License and to the disclaimer of warranties with every copy of the Work as included in the Adaptation You Distribute or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not impose any effective technological measures on the Adaptation that restrict the ability of a recipient of the Adaptation from You to exercise the rights granted to that recipient under the terms of the Applicable License. This Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not require the Collection apart from the Adaptation itself to be made subject to the terms of the Applicable License.

- (c) If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution (“Attribution Parties”) in Licensor’s copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., “French translation of the Work by Original Author,” or “Screenplay based on original Work by Original Author”). The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.
- (d) Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author’s

honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

#### **5. Representations, Warranties and Disclaimer**

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

**6. Limitation on Liability.** EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### **7. Termination**

- (a) This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.
- (b) Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

#### **8. Miscellaneous**

- (a) Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

- (b) Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.
- (c) If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.
- (d) No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.
- (e) This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.
- (f) The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

### **9.1.2 Creative Commons Notice**

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark “Creative Commons”

or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of the License.

Creative Commons may be contacted at <https://creativecommons.org/>.

## 10 Implementation

### 10.1 Declaring the options

```
1 %% Parameters (((
2 \RequirePackage{kvoptions}
3 \DeclareStringOption[CC]{type}
4 \DeclareStringOption[by-sa]{modifier}
5 \DeclareStringOption{version}
6 \DeclareStringOption{lang}
7 \DeclareStringOption{imagemodifier}
8 \DeclareStringOption[right]{imageposition}
9 \DeclareStringOption[10em]{imagewidth}
10 \DeclareStringOption[2em]{imagedistance}
11 \DeclareStringOption{hyphenation}
12 %%)))
13
```

To test if all parameters are valid the macro `\ProcessLocalKeyvalOptions*` is expanded to ensure this before leaving the preamble. This is the only purpose for the `\ProcessLocalKeyvalOptions*` macro in this case.

```
14 \ProcessLocalKeyvalOptions*
15
```

### 10.2 Dependencies

```
16 %% Dependencies (((
17 \RequirePackage{xifthen}
18 \RequirePackage{etoolbox} %% \ifcsdef
19 \RequirePackage{xspace}
20 \RequirePackage{verbatim}
21 \RequirePackage{enumitem}
22
23 %% \setlistdepth{4} seems not to be needed. Try without it to avoid changing global variables.
24 %% Enumeration scheme was chosen to match the html page once.
25 \newlist{doclicense@enumerate}{enumerate}{4}
26 \setlist[doclicense@enumerate,1]{label = (\alph*)}
27 \setlist[doclicense@enumerate,2]{label = (\arabic*)}
28 \setlist[doclicense@enumerate,3]{label = (\Alph*)}
29 \setlist[doclicense@enumerate,4]{label = (\roman*)}
30
31 \ifthenelse{
32 \equal{\doclicense@hyphenation}{}}
33 }{}{%
34 \RequirePackage{ragged2e}
35
36 \ifthenelse{\isnamedefined{\doclicense@hyphenation}}{}{%
37 \PackageError{doclicense}{Hyphenation macro not defined}
38 {The macro name given via the hyphenation option is not defined.}%
39 }
40 }
```

```

41 \AtEndPreamble{%
42 \@ifpackageloaded{csquotes}{
43 %% csquotes has already been loaded so we are fine.
44 }{
45 \ifcsdef{enquote}{
46 %% \enquote is defined but not by csquotes.
47 \@ifpackageloaded{biblatex}{
48 \PackageError{doclicense}{The enquote macro is defined by biblatex}
49 {This package assumes that the enquote macro is defined by the
50 csquotes package. Please load csquotes before you load biblatex so
51 that biblatex does not define enquote instead.}%
52 }{
53 \PackageError{doclicense}{The enquote macro is defined by unknown package}
54 {This package assumes that the enquote macro is defined by the
55 csquotes package. Please check why enquote is defined without
56 csquotes being loaded. Maybe try loading csquotes early so that it
57 can define the enquote macro instead.}%
58 }
59 }{
60 \RequirePackage{csquotes}
61 }
62 }
63 \@ifpackageloaded{ccicons}{\RequirePackage{ccicons}}
64 %% For \doclicenseIcon
65 \@ifpackageloaded{graphicx}{\RequirePackage{graphicx}}
66 %% For \doclicenseImage
67 \@ifpackageloaded{hyperref}{\RequirePackage{hyperref}}
68 \@ifpackageloaded{hyperxmp}{%
69 %% The following options are only defined when the hyperxmp package was loaded.
70 \hypersetup{
71 pdfcopyright = {\doclicenseLongText},
72 pdflicenseurl = {\doclicenseURL},
73 }
74 }{}
75 }
76 %%)))
77

```

### 10.3 Declare variables and macros

```

78 %% Declare variables (((
79 \newcommand{\doclicense@baseUrLCC}{https://creativecommons.org}
80 \newcommand{\doclicense@versionFallback}{}
81 \newcommand{\doclicense@versionUsed}{}
82 \newboolean{doclicense@licenseKnown}
83 \newlength{\doclicense@hsize}
84 \newcommand{\doclicense@longName}{%
85 \@nameuse{doclicense@lang@lic@doclicense@type @doclicense@modifier%
86 @\doclicense@versionUsed}%
87 }

```



```

88 \newcommand{\doclicense@icon}{%
89 \PackageError{doclicense}{Icon not defined}
90 {Please check the documentation of doclicense to see what you can do about it.}%
91 }
92 \newcommand{\doclicense@modifier@uppercase}{\texorpdfstring{%
93 \MakeUppercase{\doclicense@modifier}%
94 }{%
95 \doclicense@modifier}%
96 }
97 %%)))
98

```

## 10.4 User macros

```

99 %% User macros (((
100 \newcommand{\doclicenseType}{\doclicense@type\xspace}
101 \newcommand{\doclicenseLongType}{\doclicense@type\xspace}
102 \newcommand{\doclicenseModifier}{\doclicense@modifier@uppercase\xspace}
103 \newcommand{\doclicenseVersion}{\doclicense@versionUsed\xspace}
104 \newcommand{\doclicenseName}{%
105 \doclicense@type\nobreakspace\doclicense@modifier@uppercase\nobreakspace%
106 \doclicense@versionUsed\xspace%
107 }
108 \newcommand{\doclicenseNameRef}{\href{\doclicenseURL}{\doclicenseName}\xspace}
109 \newcommand{\doclicenseLongName}{\doclicenseLongType\xspace%
110 \doclicense@longName\xspace}
111 \newcommand{\doclicenseLongNameRef}{\href{\doclicenseURL}{\doclicenseLongName}}
112 \newcommand{\doclicenseText}{%
113 \doclicense@lang@thisDoc\xspace
114 \href{\doclicenseURL}{\enquote{\doclicenseName}}}%
115 \doclicense@lang@word@license.\xspace%
116 }
117 \newcommand{\doclicenseLongText}{%
118 \doclicense@lang@thisDoc\xspace
119 \href{\doclicenseURL}{\doclicenseLongType\xspace\enquote{\doclicense@longName}}%
120 \doclicense@lang@word@license.\xspace%
121 }
122 \newcommand{\doclicenseIcon}{\doclicense@icon\xspace}
123 \newcommand{\doclicenseTypeIcon}{\doclicenseType}
124 % \newcommand{\doclicenseModifierIcon}{\doclicenseModifier} %% Not directly provided by ccicons.
125 \newcommand{\doclicenseImageFileName}{%
126 \doclicense@lang@thisDoc\xspace\doclicense@type-\doclicense@modifier\doclicense@imagemodifier}
127 \newcommand{\doclicenseImage}[1][\doclicense@lang@thisDoc\xspace]{%
128 \setkeys{doclicense}{#1}
129 \href{\doclicenseURL}{%
130 \includegraphics[
131 width=\doclicense@imagewidth%
132]{\doclicenseImageFileName}%
133 }
134 }

```

```

135 \newcommand{\doclicensePlainFullTextFileName}{%
136 doclicense-\doclicense@type-\doclicense@modifier%
137 -\doclicense@versionUsed-plaintext
138 }
139 \newcommand{\doclicensePlainFullText}{%
140 \verbatiminput{\doclicensePlainFullTextFileName}
141 }
142 \newcommand{\doclicenseFullTextFileName}{%
143 doclicense-\doclicense@type-\doclicense@modifier-\doclicense@versionUsed-latex}
144 \newcommand{\doclicenseFullText}{\input{\doclicenseFullTextFileName}}
145
146 \newcommand{\doclicenseLicense}{\doclicenseThis} %% legacy support
147 \newcommand{\doclicenseThis}{%
148 \setlength{\doclicense@hsize}{\textwidth-\doclicense@imagewidth-\doclicense@imagedistance}%
149 \ifthenelse{\equal{\doclicense@imageposition}{left}}{%
150 \begin{center}
151 \begin{minipage}{\doclicense@imagewidth}
152 \doclicenseImage%
153 \end{minipage}
154 \hfill
155 \begin{minipage}{\doclicense@hsize}
156 \ifthenelse{\isempty{\doclicense@hyphenation}}{}{%
157 \@nameuse{\doclicense@hyphenation}%
158 }%
159 \doclicenseLongText%
160 \end{minipage}
161 \end{center}
162 }{%
163 % \ifthenelse{\isnamedefined{iflandscape}}{}{%
164 % \iflandscape{%
165 % \setlength{\doclicense@hsize}{\doclicense@hsize-10em}%
166 % }{}%
167 % }{}%
168 % {%
169 \begin{center}
170 \begin{minipage}{\doclicense@hsize}
171 \ifthenelse{\isempty{\doclicense@hyphenation}}{}{%
172 \@nameuse{\doclicense@hyphenation}%
173 }%
174 \doclicenseLongText%
175 \end{minipage}
176 \hfill
177 \begin{minipage}{\doclicense@imagewidth}
178 \doclicenseImage%
179 \end{minipage}
180 \end{center}
181 % }
182 }
183 }
184 %%)))

```

185

## 10.5 Language selection

The following lines include the ldf file. All language dependent things should be stored and changed there. Note that one could also redefine macros like `\doclicenseLongText` if necessary.

```
186 %% Language support (((
187 \ifthenelse{\equal{\doclicense@lang}{}}{%
188 \renewcommand{\doclicense@lang}{\languagename}}{}
189 \IfFileExists{doclicense-\doclicense@lang.ldf}{%
190 \input{doclicense-\doclicense@lang.ldf}
191 }{%
192 \PackageWarning{doclicense}{%
193 No language definition for \doclicense@lang found.
194 Please add one and submit a patch. Using English as fallback.}
195 \renewcommand{\doclicense@lang}{english}
196 \input{doclicense-\doclicense@lang.ldf}
197 }
198 \ifthenelse{\equal{\doclicense@imagemodifier}{-us}}{%
199 \@namedef{doclicense@imagemodifier}{}
200 }{}
201
202 %%)))
203
```

## 10.6 Internals

```
204 %% Set license (((
205 \newcommand{\doclicense@setVersion}[1] []{%
206 \ifthenelse{\equal{#1}{}}{}{%
207 \renewcommand{\doclicense@versionFallback}{#1}
208 }
209 \ifthenelse{\equal{\doclicense@version}{}}{%
210 \renewcommand{\doclicense@versionUsed}{\doclicense@versionFallback}
211 }{%
212 \renewcommand{\doclicense@versionUsed}{\doclicense@version}
213 }
214 }
215 \newcommand{\doclicense@set}{%
216 %% CC (((
217 \ifthenelse{\equal{\doclicense@type}{CC}}{%
218 \renewcommand{\doclicenseLongType}{Creative Commons\xspace}
219 \renewcommand{\doclicenseTypeIcon}{\ccLogo\xspace}
220
221 \doclicense@setVersion[3.0]
222
223 %% Allow to predefine the following macros in ldf files.
224 \ifcsdef{doclicense@UrlLangPart}{}{%
225 \ifthenelse{\equal{\doclicense@lang@lic@CC@code}{} }{%
```

```

226 \edef\doclicense@UrlLangPart{}
227 }{%
228 \edef\doclicense@UrlLangPart{/deed.\doclicense@lang@lic@CC@code}
229 }
230 }
231 \ifcsdef{doclicenseURL}{}{%
232 \edef\doclicenseURL{%
233 \doclicense@baseUrLCC/%
234 licenses/%
235 \doclicense@modifier/%
236 \doclicense@versionUsed\doclicense@UrlLangPart%
237 }
238 }
239 \ifthenelse{\equal{\doclicense@modifier}{by}}{%
240 \renewcommand{\doclicense@icon}{\ccby}
241 \renewcommand{\doclicense@imagemodifier}{}
242 }{}
243 \ifthenelse{\equal{\doclicense@modifier}{by-sa}}{%
244 \renewcommand{\doclicense@icon}{\ccbysa}
245 \renewcommand{\doclicense@imagemodifier}{}
246 }{}
247 \ifthenelse{\equal{\doclicense@modifier}{by-nd}}{%
248 \renewcommand{\doclicense@icon}{\ccbynd}
249 \renewcommand{\doclicense@imagemodifier}{}
250 }{}
251 \ifthenelse{\equal{\doclicense@modifier}{by-nc}}{%
252 \renewcommand{\doclicense@icon}{\ccbync}
253 \ifthenelse{\equal{\doclicense@imagemodifier}{-eu}}{%
254 \renewcommand{\doclicense@icon}{\ccbynceu}
255 }{}
256 \ifthenelse{\equal{\doclicense@imagemodifier}{-jp}}{%
257 \renewcommand{\doclicense@icon}{\ccbyncjp}
258 }{}
259 \renewcommand{\doclicense@imagemodifier}{}
260 }{}
261 \ifthenelse{\equal{\doclicense@modifier}{by-nc-sa}}{
262 \renewcommand{\doclicense@icon}{\ccbyncsa}
263 \ifthenelse{\equal{\doclicense@imagemodifier}{-eu}}{%
264 \renewcommand{\doclicense@icon}{\ccbyncsaeu}
265 }{}
266 \ifthenelse{\equal{\doclicense@imagemodifier}{-jp}}{%
267 \renewcommand{\doclicense@icon}{\ccbyncsajp}
268 }{}
269 }{}
270 \ifthenelse{\equal{\doclicense@modifier}{by-nc-nd}}{
271 \renewcommand{\doclicense@icon}{\ccbyncnd}
272 \ifthenelse{\equal{\doclicense@imagemodifier}{-eu}}{%
273 \renewcommand{\doclicense@icon}{\ccbyncnde}
274 }{}
275 \ifthenelse{\equal{\doclicense@imagemodifier}{-jp}}{%

```

```

276 \renewcommand{\doclicense@icon}{\ccbyncndjp}
277 }{}
278 }{}
279 \ifthenelse{\equal{\doclicense@modifier}{zero}}{%
280 \renewcommand{\doclicense@icon}{\cczero}
281 \renewcommand{\doclicense@imagemodifier}{}
282 \doclicense@setVersion[1.0]
283 \edef\doclicenseURL{%
284 \doclicense@baseUrLCC/%
285 publicdomain/%
286 \doclicense@modifier/%
287 \doclicense@versionUsed\doclicense@UrLLangPart}
288 }{}
289 \ifthenelse{\equal{\doclicense@modifier}{pd}}{
290 \renewcommand{\doclicense@icon}{\ccpd}
291 \renewcommand{\doclicense@imagemodifier}{}
292 \doclicense@setVersion[1.0]
293 \edef\doclicenseURL{%
294 \doclicense@baseUrLCC/%
295 licenses/publicdomain/%
296 \doclicense@versionUsed\doclicense@UrLLangPart}
297 }{}
298
299 \ifcsdef{doclicense@lang@lic@\doclicense@type%
300 @\doclicense@modifier @\doclicense@versionUsed}{}{%
301
302 \PackageError{doclicense}{License long name not defined}%
303 {%
304 Please check the documentation of doclicense
305 to see what you can do about it.%
306 }%
307 }
308
309 \setboolean{doclicense@licenseKnown}{true}
310 }{}%%)))
311 \ifthenelse{\not\boolean{doclicense@licenseKnown}}{%
312 \PackageError{doclicense}{License unknown}%
313 {%
314 Please check the documentation of doclicense
315 to see what you can do about it.%
316 }%
317 }{}%
318 }
319 %%)))
320
321 \doclicense@set%

```

That's it.

```

322 \endinput

```

## Change History

|       |                                                                                                                                                                                                                                                             |   |                                                                                                      |                                                                                                                                                                                            |   |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 0.07  | General: Initial version . . . . .                                                                                                                                                                                                                          | 1 | and <code>\doclicenseFullText</code> macros Thanks to <a href="#">siefkenj</a> for the help. . . . . | 1                                                                                                                                                                                          |   |
| 0.08  | General: Added support for CC-zero and CC-pd and small improvements . . . . .                                                                                                                                                                               | 1 | 1.4.1                                                                                                | General: Translation fixes for: fr, en-gb. Included missing CC-by-nc-nd icon (US dollar). . .                                                                                              | 1 |
| 0.09  | General: Added list of supported licenses to docu and added option <code>imagemodifier</code> . Also renamed macro <code>\doclicenseLicense</code> to <code>\doclicenseThis</code> . . . . .                                                                | 1 | 1.5.0                                                                                                | General: Allow to change the way text is typeset by <code>\doclicenseThis</code> . . . . .                                                                                                 | 1 |
| 0.10  | General: Added support for <code>hyperxmp</code> . . . . .                                                                                                                                                                                                  | 1 | 1.6.0                                                                                                | General: Added Russian and Italian translation. Added ‘ <code>imageposition</code> ’ and ‘ <code>imagedistance</code> ’ parameters. . . .                                                  | 1 |
| 1.0   | General: Removed space before quotes (Example: “CC ” → “CC”) . . . . .                                                                                                                                                                                      | 1 | 1.7.0                                                                                                | General: Update Russian and Spanish translation. Fix issue with unescaped newline causing two spaces between license name and ‘ <code>license</code> ’ word. . .                           | 1 |
| 1.1   | General: Added support for Creative Commons 4.0 and added <code>\doclicenseImageFileName</code> . . .                                                                                                                                                       | 1 | 1.7.1                                                                                                | General: Include .eps versions of the images to allow using ‘ <code>latex</code> ’ with dvi output. Thanks to <a href="#">robertpetry</a> for reporting. . . . .                           | 1 |
| 1.2   | General: Allow <code>\doclicenseModifier</code> to be used with <code>hyperref</code> . Fixed <code>\doclicenseIcon</code> macro, added missing image and wrote test framework. Added notes about how to add translations. Added Spanish translation. . . . | 1 | 1.8.0                                                                                                | General: Added Polish translation. . .                                                                                                                                                     | 1 |
| 1.4.0 | General: Added <code>\doclicensePlainFullText</code>                                                                                                                                                                                                        |   | 1.9.0                                                                                                | General: Added Catalan, Galician, Chinese and Portuguese translation. Detect and give hint when <code>enquote</code> macro is already defined. Fix LaTeX Error: Too deeply nested. . . . . | 1 |

## Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

|                                |                                                                                                        |                                  |                     |
|--------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------|---------------------|
| <b>Symbols</b>                 | <a href="#">47</a> , <a href="#">63</a> , <a href="#">65</a> , <a href="#">67</a> , <a href="#">68</a> | <code>\@namedef</code> . . . . . | <a href="#">199</a> |
| <code>\@ifpackageloaded</code> | <a href="#">42</a> ,                                                                                   |                                  |                     |

|                                        |                     |                                             |                         |                                               |                       |
|----------------------------------------|---------------------|---------------------------------------------|-------------------------|-----------------------------------------------|-----------------------|
| <code>\@nameuse</code>                 | . 85, 157, 172      | <code>\doclicense@imagewidth</code>         | . 131, 148, 151, 177    | <code>\doclicenseLongName</code>              | ..... 4, 109, 111     |
| <b>A</b>                               |                     |                                             |                         |                                               |                       |
| <code>\Alph</code>                     | ..... 28            | <code>\doclicense@lang</code>               | .. 187, 188, 189,       | <code>\doclicenseLongNameRef</code>           | ..... 4, 111          |
| <code>\alph</code>                     | ..... 26            |                                             | 190, 193, 195, 196      | <code>\doclicenseLongText</code>              |                       |
| <code>\arabic</code>                   | ..... 27            | <code>\doclicense@lang@lic@CC@code</code>   | ..... 225, 228          |                                               | 4, 71, 117, 159, 174  |
| <code>\AtEndPreamble</code>            | .... 41             | <code>\doclicense@lang@thisDoc</code>       | ..... 113, 118          | <code>\doclicenseLongType</code>              |                       |
| <b>C</b>                               |                     |                                             |                         |                                               |                       |
| <code>\ccby</code>                     | ..... 240           | <code>\doclicense@lang@word@license</code>  | ..... 115, 120          | <code>\doclicenseModifier</code>              | 4, 101, 109, 119, 218 |
| <code>\ccbync</code>                   | ..... 252           |                                             |                         | <code>\doclicenseModifierIcon</code>          | ..... 4, 102          |
| <code>\ccbynceu</code>                 | ..... 254           | <code>\doclicense@longName</code>           | ..... 84, 110, 119      |                                               | ..... 124             |
| <code>\ccbyncjp</code>                 | ..... 257           | <code>\doclicense@modifier</code>           | ..... 85, 93, 95, 126,  | <code>\doclicenseName</code>                  | .. 4, 104, 108, 114   |
| <code>\ccbyncnd</code>                 | ..... 271           |                                             | 136, 143, 235,          | <code>\doclicenseNameRef</code>               | ..... 4, 108          |
| <code>\ccbyncndeu</code>               | ..... 273           |                                             | 239, 243, 247,          | <code>\doclicensePlainFullText</code>         | ..... 4, 139          |
| <code>\ccbyncndjp</code>               | ..... 276           |                                             | 251, 261, 270,          | <code>\doclicensePlainFullTextFileName</code> |                       |
| <code>\ccbyncsa</code>                 | ..... 262           |                                             | 279, 286, 289, 300      |                                               | ..... 4, 135, 140     |
| <code>\ccbyncsaeu</code>               | ..... 264           | <code>\doclicense@modifier@uppercase</code> | ..... 92, 102, 105      | <code>\doclicenseText</code>                  | . 4, 112              |
| <code>\ccbyncsajp</code>               | ..... 267           |                                             |                         | <code>\doclicenseThis</code>                  | ..... 5, 146, 147     |
| <code>\ccbynd</code>                   | ..... 248           | <code>\doclicense@set</code>                | 215, 321                | <code>\doclicenseType</code>                  | ..... 3, 100, 123     |
| <code>\ccbysa</code>                   | ..... 244           | <code>\doclicense@setVersion</code>         | . 205, 221, 282, 292    | <code>\doclicenseTypeIcon</code>              | ..... 4, 123, 219     |
| <code>\ccLogo</code>                   | ..... 219           | <code>\doclicense@type</code>               | 85,                     |                                               | ..... 4, 123, 219     |
| <code>\ccpd</code>                     | ..... 290           |                                             | 100, 105, 126,          | <code>\doclicenseURL</code>                   | ..... 4, 72, 108,     |
| <code>\cczero</code>                   | ..... 280           | <code>\doclicense@urlLangPart</code>        | 136, 143, 217, 299      |                                               | 111, 114, 119,        |
| <b>D</b>                               |                     |                                             |                         |                                               |                       |
| <code>\doclicense@baseUrlCC</code>     | . 79, 233, 284, 294 |                                             | 228, 236, 287, 296      | <code>\doclicenseVersion</code>               | 129, 232, 283, 293    |
| <code>\doclicense@hsize</code>         | 83,                 | <code>\doclicense@version</code>            | ..... 209, 212          | <code>\doclicenseVersion</code>               | ..... 4, 103          |
|                                        | 148, 155, 165, 170  | <code>\doclicense@versionFallback</code>    | ..... 80, 207, 210      |                                               |                       |
| <code>\doclicense@hyphenation</code>   | ..... 32, 36,       | <b>E</b>                                    |                         |                                               |                       |
|                                        | 156, 157, 171, 172  | <code>\doclicense@versionUsed</code>        | ..... 81, 86,           | <code>\enquote</code>                         | .. 46, 114, 119       |
| <code>\doclicense@icon</code>          | .. 88, 122, 240,    |                                             | 103, 106, 137,          | <b>H</b>                                      |                       |
|                                        | 244, 248, 252,      | <code>\doclicense@urlLangPart</code>        | 143, 210, 212,          | <code>\hfill</code>                           | ..... 154, 176        |
|                                        | 254, 257, 262,      |                                             | 236, 287, 296, 300      | <code>\href</code>                            | ..... 108,            |
|                                        | 264, 267, 271,      | <code>\doclicenseFullText</code>            | ..... 4, 144            |                                               | 111, 114, 119, 129    |
|                                        | 273, 276, 280, 290  | <code>\doclicenseFullTextFileName</code>    | ..... 4, 142, 144       | <code>\hypersetup</code>                      | ..... 70              |
| <code>\doclicense@imagedistance</code> | ..... 148           | <code>\doclicenseIcon</code>                | ..... 4, 64, 122        | <b>I</b>                                      |                       |
| <code>\doclicense@imagemodifier</code> | ..... 126,          |                                             |                         | <code>\ifcsdef</code>                         | .....                 |
|                                        | 198, 241, 245,      | <code>\doclicenseImage</code>               | .. 4, 66, 127, 152, 178 | <code>\ifFileExists</code>                    | ..... 189             |
|                                        | 249, 253, 256,      | <code>\doclicenseImageFileName</code>       | ..... 4, 125, 132       | <code>\iflandscape</code>                     | ..... 164             |
|                                        | 259, 263, 266,      | <code>\doclicenseLicense</code>             | . 146                   | <code>\includegraphics</code>                 | .. 130                |
|                                        | 272, 275, 281, 291  |                                             |                         | <code>\input</code>                           | ..... 144, 190, 196   |
| <code>\doclicense@imageposition</code> | ..... 149           |                                             |                         |                                               |                       |

|                                       |          |                                      |                                                       |
|---------------------------------------|----------|--------------------------------------|-------------------------------------------------------|
| <code>\isempty</code> . . . . .       | 156, 171 | <b>P</b>                             | <b>T</b>                                              |
| <code>\isnamedefined</code> .         | 36, 163  | <code>\PackageError</code> ..        | 37, 48, 53, 89, 302, 312                              |
| <b>L</b>                              |          |                                      | <code>\texorpdfstring</code> ...                      |
| <code>\language</code>                | 188      | <b>R</b>                             | <code>\textwidth</code> . . . . .                     |
| <b>M</b>                              |          | <code>\roman</code> . . . . .        | 29                                                    |
| <code>\MakeUppercase</code> . . . . . | 93       | <b>S</b>                             | <b>V</b>                                              |
| <b>N</b>                              |          | <code>\setboolean</code> . . . . .   | 309                                                   |
| <code>\newboolean</code> . . . . .    | 82       | <code>\setkeys</code> . . . . .      | 128                                                   |
| <code>\newlength</code> . . . . .     | 83       | <code>\setlength</code> . . . . .    | 148, 165                                              |
| <code>\newlist</code> . . . . .       | 25       | <code>\setlist</code> . . . . .      | 26, 27, 28, 29                                        |
| <code>\nobreakspace</code> . . . . .  | 105      | <code>\setlistdepth</code> . . . . . | 23                                                    |
|                                       |          | <code>\space</code> . . . . .        | 109, 113, 118, 119                                    |
|                                       |          |                                      | <b>X</b>                                              |
|                                       |          |                                      | <code>\xspace</code> . . . . .                        |
|                                       |          |                                      | 100, 102, 103, 106, 108, 110, 115, 120, 122, 218, 219 |