# ISO 690 biblatex style

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# 1 Introduction

# 1.1 About

biblatex is a bibliography and citation tool for MEX. This project provides support for citations and references according to the ISO 690 international standard. As the standard ISO 690 is a little bit ambiguous in some details regarding the formatting of records, we largely follow the requirements of the Czech interpretation, as it is the required form in many Czech universities. Of course, the style can be used in other languages as well.

# 1.2 Requirements

Basically,  $\mathtt{biblatex} \geq 3.14$  with  $\mathtt{biber} \geq 2.14$  (both versions dated 2019-12-01) is all you need to use this package. No special packages different from those required by the  $\mathtt{biblatex}$  package are used. For a complete list of such packages, please refer to the  $\mathtt{biblatex}$  documentation.

# 1.3 Accessibility

This package is available on CTAN<sup>1</sup> and is included in MiKT<sub>E</sub>X and T<sub>E</sub>X Live 2016 or later as biblatex-iso690. The development version can be found on GitHub.<sup>2</sup>

#### 1.4 License

This project is released under the LaTeX Project Public License<sup>3</sup>.

<sup>1</sup>https://www.ctan.org/pkg/biblatex-iso690

<sup>2</sup>https://github.com/michal-h21/biblatex-iso690

<sup>3</sup>https://www.latex-project.org/lppl.txt

# 1.5 Acknowledgments

Thanks to all contributors who have participated in the development of this style, especially Johannes Böttcher, Moritz Wemheuer, Dávid Lupták and others.

#### 1.6 Feedback

The project lives on the GitHub page https://github.com/michal-h21/biblatex-iso690, so feel free to use the possibilities provided there for reporting issues and the like.

# 2 Usage

#### 2.1 General

A minimal working example for babel package:

```
\documentclass{article}
\usepackage[english,czech]{babel}
\usepackage{csquotes}

\usepackage[style=iso-authoryear]{biblatex}
\addbibresource{biblatex-iso690-examples.bib}

\begin{document}
\cite{knuth1990virtual}
\printbibliography
\end{document}
```

A minimal working example for polyglossia package:

```
\documentclass{article}
\usepackage{polyglossia}
\setmainlanguage{czech}
\setotherlanguage{english}
\usepackage{csquotes}

\usepackage[style=iso-authoryear]{biblatex}
\addbibresource{biblatex-iso690-examples.bib}

\begin{document}
\cite{knuth1990virtual}
\printbibliography
\end{document}
```

According to the ISO 690 standard, some of the elements of the bibliographic resource should be printed in the main document language (language I am currently writing) while the others should be in the language of a resource. You can specify the language of a resource into the field langid on a per-entry basis in a resource (.bib) file. In addition, all of the

languages specified in these fields have to be loaded by the babel or polyglossia package respectively.

The affected fields that should be printed as they appear in the original source (in the language of resource, using the langid field) are, e.g. numeration information (volume, number, edition, etc.), while availability and access information (available from), medium designation (howpubished field), pages range, or the relations of subsidiary creators (translated by, revised by, etc.) are examples of using the main document language.

Note that for correct support of localization functionality, the babel or polyglossia package should be used. The main document language is:

**babel** the last one entered in a list of languages passed to the babel package options, or the one specified by main keyword (see MWE above)

polyglossia the one specified in the directive \setmainlanguage (other languages could
 be specified using \setotherlanguage) (see MWE above)

#### 2.1.1 Switching multiple languages

Sometimes the main document language is selected in the document class, and the user can only switch the active language, not the main language. This is usually a case of journals/collections of articles that can be prepared (in their entirety) in one main language, but where individual articles might also be written in a different language (e.g., this is the case with csbulletin class). Then you can use currentlang option (see also 2.4.2), which allows switching to the active surrounding language, and print biblatex localization strings accordingly to this currently selected language, not the main language.

The following MWE illustrates switching the active languages (English and German over the main Czech language) on two bibliography entries, one with the Czech language field and the other without specified language.

```
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage[main=czech,english,ngerman]{babel}
\usepackage{csquotes}

\usepackage[style=iso-numeric,currentlang]{biblatex}
\addbibresource{biblatex-iso690-examples.bib}

\begin{document}

\nocite{tex:zpravodajchlebikova91}
\nocite{tex:zpravodajchlebikova91cz}
\printbibliography

\selectlanguage{english}
\printbibliography

\selectlanguage{ngerman}
\printbibliography

\end{document}
```

# 2.2 Citation systems

The international standard ISO 690 introduces three methods (2.2.1) of citation and referencing in its informative annex. You can select a citation/referencing method in the style option:

\usepackage[style=<method>]{biblatex}

#### 2.2.1 Standardized methods

The informative annex of the standard mentions name and date, numeric, and running notes systems. This package does not support the last one.

iso-authoryear name and date system, so-called Harvard style

iso-numeric numeric system

#### 2.2.2 Non-standardized methods

Based on the user input, this package also supports other citation/referencing methods:

iso-alphabetic alphabetic system

iso-authortitle name and title system

#### 2.3 Citation commands

biblatex provides a lot of citation commands out of the box. However, to conform to the standard, it is necessary to know which command can be used for which citation method. Here is an overview.

# 2.3.1 Numeric system

For iso-numeric style, the usage of cite command is as simple as \cite (citation number in brackets), \parencite (citation number in parentheses), or \supercite (citation number as a superscript).

Example (number 1 only serves as a random citation number):

- command \cite{knuth1990virtual} outputs [1],
- command \parencite{knuth1990virtual} outputs (1),
- command \supercite{knuth1990virtual} outputs 1.

According to the standard, pick and stick to only one citation format in the whole document (select either only \cite, or \parencite, or \supercite).

# 2.3.2 Author-date system

For iso-authoryear method (and possibly also for other methods iso-alphabetic and iso-authortitle), you should distinguish two situations:

• The name of the creator appears naturally in the text, so only the year is in parentheses; use \textcite.

Example: command \textcite{knuth1990virtual} outputs D. Knuth (1990).

• The name of the creator doesn't appear naturally in the text, so both name and the year are in parentheses; use \parencite.

Example: command \parencite{knuth1990virtual} outputs (D. Knuth, 1990).

# 2.4 Package options

## 2.4.1 Provided by biblatex by default

Frequently used package options are:

```
style=iso-authoryear, iso-numeric, iso-alphabetic, iso-authortitle
```

Style to be used for bibliography references and citations. Four possibilities are available for the biblatex-iso690 package, see 2.2 for details.

```
backend=biber, bibtex, bibtex8
```

Backend program for generating bibliographic entries. biber is the default one for the biblatex package, providing a large variety of features. Other options are bibtex and bibtex8, but they both are far behind the possibilities of biber. biber is the recommended backend.

```
autolang=other, see biblatex documentation for more options
```

Controls which language environment is used. The default value for this package is other, which encloses the bib entry in an otherlanguage environment and prints localization terms in the language of the resource or uses language-specific hyphenation. Use the language field in bib entry to specify its language.

```
sortlocale=auto, ⟨locale⟩
```

default: auto

default: biber

default: other

Responsible for sorting the bibliography according to the entered  $\langle locale \rangle$  identifier. The default value is auto, meaning the  $\langle locale \rangle$  is set to the main document language identifier (if babel/polyglossia is used). A real use case example: this document is in English (main document language), but uses Czech sorting (sortlocale=cs CZ).

#### 2.4.2 Provided by biblatex-iso690 in addition

spacecolon=true, false

default: false

If true, a space is printed before the colon used in subtitles and publication information. Printing the colon this way is not recommended. The default value is false.

pagetotal=true, false

default: false

The number of total pages is no longer required if the item is being cited as a whole. Setting this option to true will print such optional information in the notes section at the end of the reference in brackets. The default value is false.

shortnumeration=true, false

default: false

The standard ISO 690 allows omission of term volume and terms for smaller components of a serial publication. If this option is true, such terms are distinguished typographically (the volume number in bold type and the part number, if required, in parentheses). If false, such terms are printed with preceding literal terms.

thesisinfoinnotes=true, false

default: true

To print a thesis information (thesis type, institution and supervisor) before the section availability and access is possible by setting the option to false. Otherwise it will be printed in the notes section. The default value is true.

doi=true.false

default: true

Enable or disable printing of the DOI number.

isbn=true, false

default: true

Enable or disable printing of the ISBN, ISSN, and other standard identifiers.

eprint=true, false

default: true

Enable or disable printing of the eprint field.

url=true, false

default: true

Enable or disable the printing of the URL. This option also affects the printing of [online] medium designation for electronic resources other than @online entry type (see 2.6.3).

articlepubinfo=true, false

default: false

Enable or disable printing publication information (location and publisher fields) for an @article entry type. The default value is false since it is very unusual behavior and rarely used by either other citation styles or citation managers.

currentlang=true, false

default: false

By default, the main document language is used for printing of bibliography strings. Some classes load the babel package and user cannot select the main document language easily. With this option, the currently selected language will be used instead (see also 2.1.1).

noenddot=true, false

default: false

Enable or disable printing an end dot at the very end of bibliography entries. The default value is false, meaning a dot is printed at the end.

# 2.5 Database guide

biblatex supports more entry fields than legacy BibTeX. Hence some examples of bibliography entry types with respective fields follow.

#### **Book**

BORGMAN, Christine L., 2003. From Gutenberg to the Global Information Infrastructure: Access to Information in the Networked World. Cambridge (Mass.): The MIT Press. ISBN 0-262-52345-0 [xviii, 324]

```
@book{borgman2003from,
  author = {Borgman, Christine L.},
  title = {From {Gutenberg} to the Global Information Infrastructure},
  subtitle = {Access to Information in the Networked World},
  location = {Cambridge (Mass.)},
  publisher = {The MIT Press},
  date = {2003},
  pagetotal = {xviii, 324},
  isbn = {0-262-52345-0},
  langid = {english},
}
```

The pagetotal field is the total number of pages of the work. If multiple kinds of numeration are used in the work, e.g. Arabic as well as Roman numerals, both can be provided, separated by a comma. The localization term pages is only appended for Arabic numerals, though. Note that the total number of pages is no longer required by the standard itself, see also 2.4.2.

The langid field is required for multilingual support of printing references. This option affects the printing of localization terms used in the reference, e.g. edition field. See also 2.1.

#### Contribution to a collection

GREENBERG, Douglas, 1998. Camel Drivers and Gatecrashers: Quality Control in the Digital Research Library. In: HAWKINS, Brian L. et al. (eds.). *The Mirage of Continuity: Reconfiguring Academic Information Resources for the 21st Century*. Washington (D.C.): Council on Library and Information Resources; Association of American Universities, pp. 105–116. ISBN 1-887334-59-9

The title field is the title of the contribution, the booktitle is the title of the collection. The pages field is one or more page numbers or page ranges. This field is essential since the reference should identify the part of the item that is cited.

It is also possible to use the cross-referencing feature to reference from a contribution entry (child entry) to a separate entry of a collection (parent entry). This can be done with the crossref field as the following example shows:

VLAŠTOVKA, Josef, 2007. Velmi zajímavý článek. In: GENIÁLNÍ, Jiří (ed.). *Mimořádně užitečný sborník*. Praha: Academia, pp. 22–45. ISBN 978-3-4947-0284-1

```
@collection{sbornik2007,
 title = {Mimořádně užitečný sborník},
         = {Geniální, Jiří},
 editor
 location = {Praha},
 publisher = {Academia},
          = \{2007\},
 date
 isbn
          = \{978-3-4947-0284-1\},
 langid = {czech},
@incollection{sbornik2007clanek,
 author = {Vlaštovka, Josef},
 title
          = {Velmi zajímavý článek},
 pages
          = \{22--45\},
 crossref = {sbornik2007},
```

Now, there is no need to fill in booktitle in the sbornik entry. The biber backend program performs the inheritance between parent and child entry automatically. Other backends may not support this feature.

## Article in a serial

LYNCH, Clifford, 2005. Where Do We Go From Here?: The Next Decade for Digital Libraries. *D-Lib Magazine* [online]. Vol. 11, no. 7/8 [visited on 2005-08-15]. ISSN 1082-9873. Available from DOI: 10.1045/july2005-lynch

```
@article{lynch2005where,
  author = {Lynch, Clifford},
  title = {Where Do We Go From Here?},
```

```
subtitle = {The Next Decade for Digital Libraries},
journaltitle = {D-Lib Magazine},
        = \{2005\},
date
volume
           = {11},
           = \{7/8\},
number
           = \{1082-9873\},
issn
           = {10.1045/july2005-lynch},
doi
           = {http://www.dlib.org/dlib/july05/lynch/07lynch.html},
url
urldate = \{2005-08-15\},
           = {english},
langid
```

The example above is an article in an online magazine. If the magazine is available online only, i.e. it is not published in print, it should be cited as an electronic information resource. This can be achieved by providing the urldate field (see 2.6.3). On the other hand

KNUTH, Donald, 1990. Virtual Fonts: More Fun for Grand Wizards. *TUGBoat*. Vol. 11, no. 1, pp. 13–23. ISSN 0896-3207. Available also from: http://tugboat.tug.org/TUGboat/tb11-1/tb27knut.pdf

```
@periodical{tugboat1980,
  journaltitle = {TUGBoat},
 publisher = {TUG},
           = {1980/},
= {0896-3207},
 date
 issn
 url = {http://tugboat.tug.org/TUGboat},
langid = {english},
  options
            = {skipbib=true},
@article{knuth1990virtual,
  author = {Knuth, Donald},
  title
             = {Virtual Fonts: More Fun for Grand Wizards},
             = \{1990-04\},
  date
             = {11},
 volume
            = {1},
 number
            = {13--23},
 pages
            = {http://tugboat.tug.org/TUGboat/tb11-1/tb27knut.pdf},
 url
  crossref = {tugboat1980},
}
```

the example shows an article in a printed magazine, which is *also* available online. Similar to the contribution to a collection, using the cross-referencing feature can be beneficial.

#### 2.5.1 Specific entry types

#### **Thesis**

The thesis entry type and its aliases mastersthesis and phdthesis are available by default for thesis works. Use the type field to specify the type of the thesis — a localization

term or literal string can be entered. For the list of supported localization terms, please refer to section 4.9.2.13 of the biblatex documentation. Available terms are bathesis, mathesis, phdthesis, and candthesis. Names of the supervisor and school (institution) can be entered into the fields supervisor and institution, respectively.

LUPTÁK, Dávid, 2016. *Typesetting of Bibliography According to ISO 690 Norm*. Brno. Available also from: https://is.muni.cz/th/422640/fi\_b/. BA thesis. Masaryk University, Faculty of Informatics. Supervised by Petr SOJKA

#### **Patent**

The dominant role as an author has the holder of a patent (holder field). The subsidiary author is an inventor (if known) of the patent (author field). Application date fits in the origdate field, while date of publication in the date field. The field number is available for the patent classification or request number. For the patent type, we can use localization strings as well, e.g. patenteu.

CLAD METALS LLC CANONSBURG, PA 15317 (US), 1999. Method of making a copper core five-ply composite and cooking vessel. Inventor: W. A. GROLL. Publ.: 2008-07-30. Appl.: 1999-05-04. European patent EP 1 094 937 B1. Available also from: https://patents.google.com/patent/EP1094937B1

```
@patent{groll2008method,
 holder
             = {{Clad Metals LLC Canonsburg, PA 15317 (US)}},
  title
             = {Method of making a copper core five-ply composite
                 and cooking vessel},
 author
             = {Groll, W. A.},% <----- inventor
 publisher = {Google Patents},
 number
             = \{EP \ 1 \ 094 \ 937 \ B1\},
 type
             = {patenteu},
             = {2008-07-30},% <----- publication date
 date
             = {1999-05-04},% <----- application date
 origdate
 url
             = {https://patents.google.com/patent/EP1094937B1},
}
```

## 2.6 Hints and Caveats

This section provides additional hints concerning the biblatex package as well as the ISO 690 standard.

For now, some of the things have to be dealt with at the level of the bib file, other ones are directly addressed in this style package. Everything else relies on the biblatex package, so please also refer to the biblatex documentation.

#### 2.6.1 Creators

The persons or organizations responsible for the cited work should be primarily given in the author field. Please note that organization names (so-called corporate authors) need to be protected with doubled curly braces to avoid being (mis)parsed into family/given names (resulting in wrong order and formatting).

```
author = {{Dialog Information Services}},
```

If the author is not appropriate, other fields like editor and editorX family fields or some specific ones (e.g. translator) can be used. Note also the field editortype and editortypeX family fields which can be used to specify the type of the editor. This is useful to distinguish the role of the creator and their relationship to the cited work. Some roles are supported by default, e.g. editor, compiler, founder and reviser, some are created additionally, i.e. inventor, director; in other cases, use the literal string.

Example: When citing cinematographic works, which are typically the output of many individuals, the title should be used as the first element of the reference. However, it is appropriate to include some relevant roles, e.g. the director:

```
editora = {Welles, Orson},
editoratype = {director},
```

The field nameaddon can be used to append additional information to the creator's name, e.g. variant forms of a name, name additions, or pseudonyms. This field is printed as is, in square brackets, after the creator's name, see (Gorki, 1955).

If possible, all names of multiple creators should be given in the reference (the upper limit is set to 99 names). If you need to omit any names, you can use the keyword "and others" in the name list for your bib entry:

```
editor = {Humphrey Appleby and others},
```

For anonymous works cited by the author-year method, the term *Anon* should be used in place of the creator's name. Please reflect this in the bib file, since there is no other support for this for now.

#### **2.6.2 Titles**

Similar to the nameaddon field for names, titleaddon serves such purpose for titles. This field is appropriate for providing other or alternative titles, elucidation of ambiguous or incorrect titles, substitute for no titles, translation of titles, etc., see (Gorki, 1955).

Note that also other \*titleaddon fields are supported by default.

#### 2.6.3 Medium type

The field howpublished is used for providing information about the medium designation (e.g., Braille, film, and photograph) or type of medium for the electronic resources (e.g., online, online database, and podcast). The default output for electronic information resources (@online entry types or entries including urldate field) is [online], even without

```
howpublished = {online},
```

listed in the bib file. The howpublished field is printed as is, in square brackets, after the title section, generally. The field accepts localization strings (e.g. online or film) or literal string values.

#### 2.6.4 Edition

The edition field is the edition of a publication. It is required if the item is not a first edition. Use an integer or a literal string to fill in this field. Please reflect the constraint not to print the edition if the cited item is a first edition, by not providing this field in the bib file.

The version field is used for providing information about updated versions of an item, usually software.

#### 2.6.5 Date

If an exact date is not known, an approximate date should be supplied in brackets preceded by a circa localization string (e.g. ca.). To achieve this behavior, specify the date followed by a tilde, as in the example below:

```
date = {1490~}, % tilde meaning circa
```

In case no date is given and also no approximation is possible, that should be stated. Please reflect this in the bib file by including no date field in the respective entry. It automatically translates to something like [n.d.], based on your language, meaning no date.

The biblatex-iso690 package provides new field dateaddon that can be used for date specificities. Description of some known use cases follows.

If the date provided in the primary source of data is obviously incorrect (e.g. 1959), the correction should be supplied in brackets (e.g. [i.e. 1995]):

```
date = {1959},
dateaddon = {\mkbibbrackets{i.e. 1995}},
```

You can use dateaddon field also for missing dates and their rough approximations (e.g. providing only centuries), or for different calendar systems:

```
dateaddon = {\mkbibbrackets{16th century}},
dateaddon = {Jewish calendar 5685 \mkbibbrackets{1925}},
```

And if you need to use a copyright date alongside the publication date, or only a copyright date, you can use dateaddon field as well:

```
date = {2000},
dateaddon = {\addcomma\space\textcopyright\addnbthinspace 2001},
```

If you have only a copyright date (e.g. © 2001), you can use sortyear field to clarify the sorting, the entry will be sorted by the year (2001) and not the literal value (© 2001):

```
dateaddon = {\textcopyright\addnbthinspace 2001},
sortyear = {2001},
```

Please also note the syntax for dates – ISO 8601 format (YYYY-MM-DD) is accepted. Please use slash instead of any kind of dash for ranges of dates. If the range is open ended, enter just the first date followed by a slash. And last but not least, use the date field instead of the year field in general. Examples follow:

#### 2.6.6 Location

If only a limited number of copies of the work exists or the location of a graphic work is essential to its identification, such location (e.g. library or repository) should be stated in a reference. The field library serves for this purpose, see (Gosse, 1912).

# 3 Reference bibliography

APPLEBY, Humphrey et al. (eds.), [ca. 1452–]. *Thinking and Writing*. A periodical with an open ended date range.

APPLEBY, Humphrey, [ca. 1490]. *On the Importance of the Higher Civil Service*. A book with an approximate date.

APPLEBY, Humphrey, 1959 [i.e. 1995]. *How to supply a correct date*. A book with a corrected date.

APPLEBY, Humphrey, 2000, © 2001. What Is a Copyright? A book with a copyright date.

APPLEBY, Humphrey, [n.d.]. On the Importance of the Civil Service. A book with no date.

BORGMAN, Christine L., 2003. From Gutenberg to the Global Information Infrastructure: Access to Information in the Networked World. Cambridge (Mass.): The MIT Press. ISBN 0-262-52345-0 [xviii, 324].

BRATKOVÁ, Eva (sest.), 2008. *Metody citování literatury a strukturování bibliografických záznamů podle mezinárodních norem ISO 690 a ISO 690-2: metodický materiál pro autory vysokoškolských kvalifikačních prací* [online]. Verze 2.0, aktualiz. a rozšíř. Praha: Odborná komise pro otázky elektronického zpřístupňování vysokoškolských kvalifikačních prací, Asociace knihoven vysokých škol ČR, 2008-12-22 [visited on 2011-02-02]. Available from: http://www.evskp.cz/SD/4c.pdf [60 pp.].

- BRITTEN, Benjamin, 1980. *Eight folk song arrangements for high voice and harp*. Ed. by ELLIS, Osian. London: Faber Music.
- CLAD METALS LLC CANONSBURG, PA 15317 (US), 1999. Method of making a copper core five-ply composite and cooking vessel. Inventor: W. A. GROLL. Publ.: 2008-07-30. Appl.: 1999-05-04. European patent EP 1 094 937 B1. Available also from: https://patents.google.com/patent/EP1094937B1.
- DĚŤA, Hugh; RYCHLÍK, Tomáš, 1991. *A big paper: Podtitul* [online]. 2. vyd. Praha: Academia [visited on 2011-01-12]. Pokusná edice. ISBN 978-3-3670-4032-2. Available from: http://example.com [550 pp.].
- DĚŤA, Hugh; RYCHLÍK, Tomáš; DALŠÍ, Pepa; SPOUSTA, Pepa; SKORO, Moc; ALE, Nestačí; HODNĚ, 1991a. *Úplně úžasná knížka*. 3. vyd. Praha.
- DĚŤA, Hugh; RYCHLÍK, Tomáš; DALŠÍ, Pepa; SPOUSTA, Pepa; SKORO, Moc; ALE, Nestačí; HODNĚ, 1991b. *Úplně úžasná knížka*. 3rd ed. Praha: MIT Press [332 pp.].
- DEWACHTER, Hans; LYRIO, Marco, 2006. Macro Factors and the Term Structure of Interest Rates. *Journal of Money, Credit and Banking* [online]. Vol. 38, no. 1, pp. 119–140 [visited on 2020-01-20]. ISSN 0022-2879, ISSN 1538-4616. Available from: http://www.jstor.org/stable/3839071.
- DIALOG INFORMATION SERVICES, 1985. *Enhancements to the DIALOG Search System: DIALOG version 2 (user manual update)*. Palo Alto (California): Dialog. Technical Memo 5.
- FREELY, I. P., 1997. A small paper: Podtitulek. *The journal of small papers*. Roč. 1, č. 3, pp. 2–5. This is a note.
- GENIÁLNÍ, Jiří (ed.), 2007. Mimořádně užitečný sborník. Praha: Academia. ISBN 978-3-4947-0284-1.
- GORKI, Maxim [Gorky], 1955. *The Artamonovs* [Delo Artamonovykh]. Trans. from the Russian by BROWN, Alec. London: Folio Society [281 pp.].
- GOSSE, Sylvia, 1912. *The Garden, Rowlandson House* [etching and aquatint]. At: London: British Museum, Department of Prints and Drawings. Register number 1915-27-41.
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# 4 Revision history

0.4.1 2022-03-20	
Added currentlang package option	4.2
Added mapping from ngerman to german language.	
Added Spanish language support.	
Removed inputenc package from examples.	
Added exp13 package in the documentation to fix compilation error.	
Prevent capitalisation of the [online] bibliography string	5.3
Fix punctuation before urldate if publisher info is missing.	
Print organization field in publisher location+publisher list.	
Improved support for @patent entries	5.1
Improved documentation.	
Fixed missing volume and volumes fields.	
Added noenddot package option	4.2
0.4.0 2020-03-25	
Fixed deprecated name handling	
Declared mapping suffix ( <lang>-iso.lbx) for localization files</lang>	
Updated and improved documentation, README, and bib examples	
Delimiters defined by the new way	
Refined date and names macros	
Added date circa	5.5
Added dateaddon field	5.5
Commented source code to understand it for others better	
Employed standard \mkbibacro for DOI, ISBN, ISSN, ISAN, ISMN, ISRN, ISWC (small instead of uppercase)	cap
INCOMPATIBLE CHANGE: replaced classification with number field for patent entri 2.5.1	es
Added localization strings director, by director, inventor, by inventor, online, fil	.m
Added Bulgarian and French localization	
Increased maximum number of names to print to 99 (9 before)	
Removed biblatex backwards compatibility code	
Fixed printing url and urldate for @online entries	
Fixed multiple ISBNs / ISSNs	
Allowed the package option $abbreviate=[true false]$ to work for all bibstrings . 2.4	4.1
Added \parencite support for iso-numeric style	3.1
Added articlepublinfo package option	4.2

Logging only to .log file (no terminal output)
Added support for report and movie entry types
Added support of localization strings in howpublished field 2.6.3
Fixed typos, code improvements
0.3.3 2019-10-30
Documentation with better wording
Enable multilingual references by default
Added isbn, doi, url and eprint package options for blocking corresponding fields 2.4.2
Printing out (the same) editors also in the consecutive entries – get rid of the dash as default (iso-authoryear style)
Removed deprecated biblatex options
Changed URL address for DOI records
Clean up of indentation and spacing in the source code
Renamed editor macro to incollection-editor
Added Polish localization
0.3.2 2017-04-25
Synchronized iso-numeric bibliography environment with original numeric style
Added support for alphabetic bibliographic style (iso-alphabetic) 2.2.2
$\label{local_equation} INCOMPATIBLE\ CHANGE: the sisinfolast\ package\ option\ changed\ to\ the sisinfolant package\ option\ changed\ the sisinfolant package\ the sisinfolant package\ option\ changed\ the sisinfolant package\ the sisinfolant package\ the sisinfolant package\ option\ the sisinfolant package\ the $
README copyediting and conversion to markdown
Various documentation and README corrections and enhancements
Added German localization
0.3.1 2016-05-13
First public release on CTAN
Added support for thesis entry type
Added support for patent entry type
Added support for including location information (library field) 2.6.6
Added Slovak localization
Removed non-breaking space after standard identifier terms
Streamlined iso-authortitle citation style
Minor documentation corrections
0.3 2016-05-04
A complete refactoring of the style to comply the latest version of the biblatex package as well as ISO 690 international standard
Added English version of the documentation/user guide (this document)

0.2.1	2016-03-13
Solved	issues about punctuation marks and redundant spaces
Compa	tibility support for the latest version of the biblatex package

Reformatted the driver for inbook entry type

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0.2	201	<b>5-</b> (	JЗ	-25

Gathered changes during the past four years
Solved issue about the spacing of strings in the main document language

# 0.1 2011-02-03

First public release	1.6
Draft of the documentation (only in Czech)	
Support for almost all of the entry types provided by the biblatex package	2.5