

Babel support for the German language (traditional orthography)

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v2.8 (2016/11/01)

Abstract

This manual documents the babel language definition file `germanb.ldf` for German (traditional orthography). The file is part of the babel-german bundle.

1 Aim and usage

The file `germanb.ldf` provides the babel package with all language definition macros (language specific strings and settings) for the German language, including the Austrian and Swiss varieties of German. Furthermore, it assures that the correct hyphenation patterns for the respective language or variety are used.¹ The file adheres to the traditional (1901–1996) orthography. For reformed (post-1996) German orthography support, please refer to the complementary `n germanb.ldf` file.

In order to use the language definitions provided here, you need to use the babel package and pass the respective language name as an option, either of

- `\usepackage[german]{babel}`
- `\usepackage[austrian]{babel}`
- `\usepackage[swissgerman]{babel}`

Please consult the babel manual [2] for details.

2 Shorthands

For all three varieties of German, the character " is made active in order to provide some shorthand macros. Some of these shorthands address a peculiarity of traditional German spelling: consonantal character combinations that change in the context of

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¹ The file `germanb.ldf` started as a re-implementation of the package `german.sty` (v. 2.5b), which was originally developed by Hubert Partl (cf. [3]) and later maintained by Bernd Raichle (cf. [4]). The re-implementation was done by Johannes Braams.

hyphenations. Other shorthands are provided for frequently used special characters as well for better control of hyphenation, line breaks and ligatures. Table 1 provides an overview of the shorthands that are provided by `germanb.ldf`.

Table 1: Shorthands provided by `germanb.ldf`

| | |
|--------------------|---|
| <code>"a</code> | umlaut ä (shorthand for <code>\"a</code>). Similar shorthands are available for all other lower- and uppercase vowels (umlauts: "a, "o, "u, "A, "O, "U, as well as tremata: "e, "i, "E, "I). |
| <code>"s</code> | German ß (shorthand for <code>\ss{}</code>). |
| <code>"z</code> | German ß (shorthand for <code>\ss{}</code>). |
| <code>"ck</code> | for ck to be hyphenated as k-k. |
| <code>"ff</code> | for ff to be hyphenated as ff-f, this is also implemented for l, m, n, p, r and t. |
| <code>"S</code> | SS (<code>\uppercase{"s}</code> , since ß must be written as SS – or SZ, see below – in uppercase writing). |
| <code>"Z</code> | SZ (<code>\uppercase{"z}</code> , since ß must be written as SZ – or SS, see above – in uppercase writing). |
| <code>" </code> | disable ligature at this position (e. g. Auf" <code> </code> lage). |
| <code>"-</code> | an additional breakpoint that does still allow for hyphenation at the breakpoints preset in the hyphenation patterns (as opposed to <code>-</code>). |
| <code>""</code> | a breakpoint that does not output a hyphen sign if the line break is performed (useful for compound words with hyphen, e. g. (Un-)" <code>Sinn</code>). |
| <code>"~</code> | a compound word mark without a breakpoint. Useful for cases such as <code>bergauf</code> und " <code>~ab</code> . |
| <code>"=</code> | a compound word mark with a breakpoint, allowing for hyphenation at the other points preset in the hyphenation patterns (as opposed to plain <code>-</code>). |
| <code>"„</code> | German left double quotes (i. e. „). |
| <code>"„</code> | German right double quotes (i. e. „). |
| <code>"<</code> | French/Swiss left double quotes (i. e. «). |
| <code>"></code> | French/Swiss right double quotes (i. e. »). |

Table 2 lists some macros for quotation marks that might be used as an alternative to the quotation mark shorthands provided by `germanb.ldf`.

Table 2: Alternative commands for quotation marks (provided by babel)

| | |
|--------------------|--|
| <code>\glqq</code> | German left double quotes (i. e. „). |
| <code>\grqq</code> | German right double quotes (i. e. „). |
| <code>\glq</code> | German left single quotes (i. e. „). |
| <code>\grq</code> | German right single quotes (i. e. ‘). |
| <code>\flqq</code> | French/Swiss left double quotes (i. e. «). |
| <code>\frqq</code> | French/Swiss right double quotes (i. e. »). |
| <code>\flq</code> | French/Swiss left single quotes (i. e. ‘). |
| <code>\frq</code> | French/Swiss right single quotes (i. e. ’). |
| <code>\dq</code> | the original quotation mark character (i. e. "). |

3 Implementation

3.1 General settings

If `germanb.lfd` is read via the babel option `germanb`, we make it behave as if `german` was specified.

```
1 \def\bb@tempa{germanb}
2 \ifx\CurrentOption\bb@tempa
3   \def\CurrentOption{german}
4   \ifx\l@german\@undefined
5     \@nopatterns{German}
6     \adddialect{\l@german0}
7   \fi
8   \let\l@germanb\l@german
9   \AtBeginDocument{%
10     \let\captionsgermanb\captionsgerman
11     \let\dategermanb\dategerman
12     \let\extrasgermanb\extrasgerman
13     \let\noextrasgermanb\noextrasgerman
14   }
15 \fi
```

The macro `\LdfInit` takes care of preventing that this file is loaded more than once, checking the category code of the @ sign, etc.

```
16 \LdfInit\CurrentOption{captions\CurrentOption}
```

If `germanb.lfd` is read as an option, i.e. via `\usepackage` command, `german` could be an ‘unknown’ language, so we have to make it known. We check for the existence of `\l@german` to see whether we have to do something here.

```
17 \ifx\l@german\@undefined
18   \@nopatterns{German (trad. orthography)}
19   \adddialect{\l@german0}
20 \fi
```

We set `austrian` as a dialect of `german`, since the Austrian variety uses the same hyphenation patterns as Germany’s Standard German.

```
21 \def\bb@tempa{austrian}
22 \ifx\CurrentOption\bb@tempa
23   \ifx\l@austrian\@undefined
24     \ifx\l@german\@undefined
25       \@nopatterns{Austrian (trad. orthography) and German (trad. orthography)}
26       \adddialect{\l@austrian0}
27     \else
28       \@nopatterns{Austrian (trad. orthography)}
29       \adddialect{\l@austrian\l@german}
30     \fi
31   \fi
32 \fi
```

For the Swiss variety, we attempt to load the specific `swissgerman` hyphenation patterns and fall back to `german` if those are not available.

```

33 \def\bb@tempa{swissgerman}
34 \ifx\CurrentOption\bb@tempa
35   \ifx\l@swissgerman@undefined
36     \ifx\l@german@undefined
37       @nopatterns{Swiss German (trad. orthography) and German (trad. orthography)}
38       \adddialect{\l@swissgerman@}
39   \else
40     @nopatterns{Swiss German (trad. orthography)}
41     \adddialect{\l@swissgerman@\l@german}
42   \fi
43 \fi
44 \fi

```

3.2 Language-specific strings (captions)

The next step consists of defining macros that provide language specific strings and settings.

\@captionsgerman The macro \@captionsgerman defines all strings used in the four standard document classes provided with L^AT_EX for German. This is an internal macro that is inherited and modified by the following macros for the respective language varieties.

```

45 \@namedef{@captionsgerman}{%
46   \def\prefacename{Vorwort}%
47   \def\refname{Literatur}%
48   \def\abstractname{Zusammenfassung}%
49   \def\bibname{Literaturverzeichnis}%
50   \def\chaptername{Kapitel}%
51   \def\appendixname{Anhang}%
52   \def\contentsname{Inhaltsverzeichnis}%
      % oder nur: Inhalt
53   \def\listfigurename{Abbildungsverzeichnis}%
54   \def\listtablename{Tabellenverzeichnis}%
55   \def\indexname{Index}%
56   \def\figurename{Abbildung}%
57   \def\tablename{Tabelle}%
      % oder: Tafel
58   \def\partname{Teil}%
59   \def\enclname{Anlage(n)}%
60   \def\ccname{Verteiler}%
      % oder: Kopien an
61   \def\headtoname{An}%
62   \def\pagename{Seite}%
63   \def\seename{siehe}%
64   \def\alsoename{siehe auch}%
65   \def\proofname{Beweis}%
66   \def\glossaryname{Glossar}%
67 }

```

\captionsgerman The macro \captionsgerman is identical to \@captionsgerman, but only defined if german is requested.

```

68 \def\bb@tempa{german}
69 \ifx\CurrentOption\bb@tempa

```

```

70  \@namedef{captionsgerman}{%
71    \nameuse{@captionsgerman}%
72  }
73 \fi

```

\captionsaustrian The macro \captionsaustrian builds on \@captionsgerman, but redefines some strings following Austrian conventions (for the respective variants, cf. [1]).

```

74 \def\bbbl@tempa{austrian}
75 \ifx\CurrentOption\bbbl@tempa
76  \@namedef{captionsaustrian}{%
77    \nameuse{@captionsgerman}%
78    \def\enclname{Beilage(n)}%
79  }
80 \fi

```

\captionsswissgerman The macro \captionsswissgerman builds on \@captionsgerman, but redefines some strings following Swiss conventions (for the respective variants, cf. [1]).

```

81 \def\bbbl@tempa{swissgerman}
82 \ifx\CurrentOption\bbbl@tempa
83  \@namedef{captionsswissgerman}{%
84    \nameuse{@captionsgerman}%
85    \def\enclname{Beilage(n)}%
86  }
87 \fi

```

3.3 Date localizations

\month@german The macro \month@german defines German month names for all varieties.

```

88 \def\month@german{\ifcase\month\or
89  Januar\or Februar\or M\"arz\or April\or Mai\or Juni\or
90  Juli\or August\or September\or Oktober\or November\or Dezember\fi}

```

\dategerman The macro \dategerman redefines the command \today to produce German dates.

```

91 \def\bbbl@tempa{german}
92 \ifx\CurrentOption\bbbl@tempa
93  \def\dategerman{\def\today{\number\day.\number\month@german
94    \space\number\year}}
95 \fi

```

\dateswissgerman The macro \dateswissgerman does the same for Swiss German dates. The result is identical to German.

```

96 \def\bbbl@tempa{swissgerman}
97 \ifx\CurrentOption\bbbl@tempa
98  \def\dateswissgerman{\def\today{\number\day.\number\month@german
99    \space\number\year}}
100 \fi

```

\dateaustrian The macro \dateaustrian redefines the command \today to produce Austrian versions of the German dates. Here, the naming of January („Jänner“) differs from the other German varieties.

```

101 \def\bbl@tempa{austrian}
102 \ifx\CurrentOption\bbl@tempa
103   \def\dateaustrian{\def\today{\number\day.\~\ifnum\month
104     J\"anner\else \month@german\fi \space\number\year\}}
105 \fi

```

3.4 Extras

\extrasgerman
 \extrasaustrian
 \extrasswissgerman
 \noextrasgerman
 \noextrasaustrian
 \noextrasswissgerman The macros \extrasgerman, \extrasaustrian and \extrasswissgerman, respectively, will perform all the extra definitions needed for the German language or the respective variety. The macro \noextrasgerman is used to cancel the actions of \extrasgerman. \noextrasaustrian and \noextrasswissgerman behave analogously.

For all German varieties, the character " is made active. This is done once, later on its definition may vary.

```

106 \initiate@active@char{"}
107 \namedef{extras\CurrentOption}{%
108   \languageshorthands{german}}
109 \expandafter\addto\csname extras\CurrentOption\endcsname{%
110   \bbl@activate{"}}

```

Turn the shorthands off again outside of German.

```

111 \expandafter\addto\csname noextras\CurrentOption\endcsname{%
112   \bbl@deactivate{"}}

```

In order for TeX to be able to hyphenate German words which contain ‘ß’ (in the OT1 position ^^Y) we have to give the character a nonzero \lccode (see Appendix H, the TeXbook).

```

113 \expandafter\addto\csname extras\CurrentOption\endcsname{%
114   \babel@savevariable{\lccode25}{%
115     \lccode25=25}}

```

The umlaut accent macro " is changed to lower the umlaut dots. The redefinition is done with the help of \umlautlow.

```

116 \expandafter\addto\csname extras\CurrentOption\endcsname{%
117   \babel@save{"\umlautlow}}
118 \expandafter\addto\csname noextras\CurrentOption\endcsname{%
119   \umlauthigh}

```

The German hyphenation patterns can be used with \lefthyphenmin and \righthyphenmin set to 2.

```
120 \providehyphenmins{\CurrentOption}{\tw@\tw@}
```

For German texts we need to assure that \frenchspacing is turned on.

```

121 \expandafter\addto\csname extras\CurrentOption\endcsname{%
122   \bbl@frenchspacing}
123 \expandafter\addto\csname noextras\CurrentOption\endcsname{%
124   \bbl@nonfrenchspacing}

```

3.5 Active characters, macros & shorthands

The following code is necessary because we need an extra active character. This character is then used as indicated in table 1.

In order to be able to define the function of ", we first define a couple of 'support' macros.

- \dq We save the original double quotation mark character in \dq to keep it available, the math accent \" can now be typed as ".

```

125 \begingroup \catcode`\"12
126 \def\x{\endgroup
127 \def@SS{\mathchar"7019 }
128 \def\dq{"}
129 \x

```

Now we can define the doublequote shorthands: the umlauts,

```

130 \declare@shorthand{german}{"a}{\textormath{"a}\allowhyphens{\ddot a}}
131 \declare@shorthand{german}{"o}{\textormath{"o}\allowhyphens{\ddot o}}
132 \declare@shorthand{german}{"u}{\textormath{"u}\allowhyphens{\ddot u}}
133 \declare@shorthand{german}{"A}{\textormath{"A}\allowhyphens{\ddot A}}
134 \declare@shorthand{german}{"O}{\textormath{"O}\allowhyphens{\ddot O}}
135 \declare@shorthand{german}{"U}{\textormath{"U}\allowhyphens{\ddot U}}
tremata,

```

```

136 \declare@shorthand{german}{"e}{\textormath{"e}\{\ddot e\}}
137 \declare@shorthand{german}{"E}{\textormath{"E}\{\ddot E\}}
138 \declare@shorthand{german}{"i}{\textormath{"i}\{\ddot i\}%
139 \imath\}}
140 \declare@shorthand{german}{"I}{\textormath{"I}\{\ddot I\}}

```

German ß,

```

141 \declare@shorthand{german}{"s}{\textormath{\ss}\{@SS\}}
142 \declare@shorthand{german}{"S}{\textormath{\SS}}
143 \declare@shorthand{german}{"z}{\textormath{\ss}\{@SS\}}
144 \declare@shorthand{german}{"Z}{\textormath{\SZ}}

```

German and French/Swiss quotation marks,

```

145 \declare@shorthand{german}{"' }{\glqq}
146 \declare@shorthand{german}{"' }{\grqq}
147 \declare@shorthand{german}{"<}{\flqq}
148 \declare@shorthand{german}{">}{\frqq}

```

discretionary commands

```

149 \declare@shorthand{german}{"c}{\textormath{\bbldisc ck}\{c\}}
150 \declare@shorthand{german}{"C}{\textormath{\bbldisc CK}\{C\}}
151 \declare@shorthand{german}{"F}{\textormath{\bbldisc F\{FF\}}\{F\}}
152 \declare@shorthand{german}{"l}{\textormath{\bbldisc l\{ll\}}\{l\}}
153 \declare@shorthand{german}{"L}{\textormath{\bbldisc L\{LL\}}\{L\}}
154 \declare@shorthand{german}{"m}{\textormath{\bbldisc m\{mm\}}\{m\}}
155 \declare@shorthand{german}{"M}{\textormath{\bbldisc M\{MM\}}\{M\}}
156 \declare@shorthand{german}{"n}{\textormath{\bbldisc n\{nn\}}\{n\}}

```

```

157 \declare@shorthand{german}{"N}{\textormath{\bbldisc N{NN}}{N}}
158 \declare@shorthand{german}{"p}{\textormath{\bbldisc p{pp}}{p}}
159 \declare@shorthand{german}{"P}{\textormath{\bbldisc P{PP}}{P}}
160 \declare@shorthand{german}{"r}{\textormath{\bbldisc r{rr}}{r}}
161 \declare@shorthand{german}{"R}{\textormath{\bbldisc R{RR}}{R}}
162 \declare@shorthand{german}{"t}{\textormath{\bbldisc t{tt}}{t}}
163 \declare@shorthand{german}{"T}{\textormath{\bbldisc T{TT}}{T}}
(we need to treat "f a bit differently in order to preserve the ff-ligature)
164 \declare@shorthand{german}{"f}{\textormath{\bbldiscff{f}}}
165 \def\bbldiscff{\penalty@M
166   \afterassignment\bbldiscff \let\bbldiscff= }
167 \def\bbldiscff{%
168   \if f\bbldiscff
169     \expandafter\@firstoftwo\else\expandafter\@secondoftwo\fi
170   {\relax\discretionary{ff-}{f}{ff}\allowhyphens{f}\bbldiscff}
171 \let\bbldiscff=f
and some additional commands (hyphenation and ligature control):
172 \declare@shorthand{german}{"-}{\nobreak-\bbldiscallowhyphens}
173 \declare@shorthand{german}{"|}{%
174   \textormath{\penalty@M\discretionary{-}{}{\kern.03em}}%
175   \allowhyphens{}}
176 \declare@shorthand{german}{""}{\hskip\zskip}
177 \declare@shorthand{german}{"~}{\textormath{\leavevmode\hbox{-}}{-}}
178 \declare@shorthand{german}{"=}{\penalty@M-\hskip\zskip}

```

- \mdqon All that's left to do now is to define a couple of commands for reasons of compatibility
 \mdqoff with `german.sty`.
- \ck
- ```

179 \def\mdqon{\shorthandon{}}
180 \def\mdqoff{\shorthandoft{}}
181 \def\ck{\allowhyphens\discretionary{k-}{k}{ck}\allowhyphens}

```

The macro `\ldf@finish` takes care of looking for a configuration file, setting the main language to be switched on at `\begin{document}` and resetting the category code of @ to its original value.

```
182 \ldf@finish\CurrentOption
```

### 3.6 austrian.ldf, german.ldf and swissgerman.ldf

Babel expects a `<lang>.ldf` file for each `<lang>`. So we create portmanteau ldf files for `austrian`, `german` and `swissgerman`.<sup>2</sup> These files themselves only load `germanb.ldf`, which does the real work:

```
183 \input germanb.ldf\relax
```

---

<sup>2</sup>For some `austrian` and `german`, this is not strictly necessary, since babel provides aliases for these languages (pointing to `germanb`). However, since babel does not officially support these aliases anymore after the language definition files have been separated from the core, we provide the whole range of ldf files for the sake of completeness.

# Change History

|              |                                                                                                                                                 |   |                                                                                                                |                                                                                                                                                           |   |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Version 1.0a | General: Incorporated Nico's<br>comments . . . . .                                                                                              | 1 | Version 2.2a                                                                                                   | General: Renamed <code>babel.sty</code> in<br><code>babel.com</code> . . . . .                                                                            | 1 |
| Version 1.0b | General: fixed typo in definition for<br>austrian language found by<br>Werenfried Spit <code>nspit@fys.ruu.nl</code> .                          | 1 | Version 2.2d                                                                                                   | General: Removed use of<br><code>\@ifundefined</code> . . . . .                                                                                           | 3 |
| Version 1.0c | General: Fixed some typos . . . . .                                                                                                             | 1 | Version 2.3                                                                                                    | General: Rewritten parts of the code to<br>use the new features of babel<br>version 3.1 . . . . .                                                         | 1 |
| Version 1.1  | <code>\noextrasgerman</code> : Added <code>\dieresis</code> . . . . .                                                                           | 6 | Version 2.3e                                                                                                   | <code>\@captionsgerman</code> : Added<br><code>\prefacename</code> , <code>\seename</code> and<br><code>\alsoname</code> . . . . .                        | 4 |
|              | General: When using PostScript fonts<br>with the Adobe fontencoding, the<br>dieresis-accent is located<br>elsewhere, modified germanb . . . . . | 1 |                                                                                                                | <code>\dategerman</code> : Added <code>\month@german</code> . . . . .                                                                                     | 5 |
| Version 1.1a | General: Modified the documentation<br>somewhat . . . . .                                                                                       | 1 |                                                                                                                | General: Added <code>\save@sf@q</code> macro and<br>rewrote all quote macros to use it . . . . .                                                          | 7 |
| Version 2.0  | General: Modified for babel 3.0 . . . . .                                                                                                       | 1 |                                                                                                                | Added warning, if no german<br>patterns loaded . . . . .                                                                                                  | 3 |
|              | Now use <code>\adddialect</code> for austrian . . . . .                                                                                         | 3 |                                                                                                                | Brought up-to-date with <code>german.tex</code><br>v2.3e (plus some bug fixes) [br] . . . . .                                                             | 1 |
|              | Now use <code>\adddialect</code> if language<br>undefined . . . . .                                                                             | 3 | Version 2.3h                                                                                                   | General: moved definition of<br><code>\allowhyphens</code> , <code>\set@low@box</code> and<br><code>\save@sf@q</code> to <code>babel.com</code> . . . . . | 7 |
| Version 2.0a | General: Removed some problems in<br>change log . . . . .                                                                                       | 1 | Version 2.4                                                                                                    | <code>\@captionsgerman</code> : <code>\headpagename</code><br>should be <code>\pagename</code> . . . . .                                                  | 4 |
| Version 2.0b | <code>\extrasgerman</code> : added some comment<br>chars to prevent white space . . . . .                                                       | 6 | Version 2.5                                                                                                    | General: Update or <code>L<small>E</small>T<small>E</small>X 2ε</code> . . . . .                                                                          | 1 |
|              | <code>\noextrasgerman</code> : added some<br>comment chars to prevent white<br>space . . . . .                                                  | 6 | Version 2.5c                                                                                                   | General: Now use <code>\nopatterns</code> to<br>produce the warning . . . . .                                                                             | 3 |
| Version 2.1  | General: Removed bug found by van<br>der Meer . . . . .                                                                                         | 1 |                                                                                                                | Removed the use of <code>\filedate</code> and<br>moved the identification after the<br>loading of <code>babel.def</code> . . . . .                        | 1 |
| Version 2.2  | <code>\@captionsgerman</code> : <code>\pagename</code> should<br>be <code>\headpagename</code> . . . . .                                        | 4 | Version 2.6a                                                                                                   | <code>\noextrasswissgerman</code> : All the code to<br>handle the active double quote has<br>been moved to <code>babel.def</code> . . . . .               | 6 |
|              | Removed <code>\global</code> definitions . . . . .                                                                                              | 4 |                                                                                                                | Removeve <code>\3</code> as it is no longer in<br><code>germanb.ldf</code> . . . . .                                                                      | 6 |
|              | <code>\extrasgerman</code> : Save all redefined<br>macros . . . . .                                                                             | 6 |                                                                                                                | use <code>\germanhyphenmins</code> to store the<br>correct values . . . . .                                                                               | 6 |
|              | <code>\noextrasgerman</code> : Try to restore<br>everything to its former state . . . . .                                                       | 6 | General: <code>\umlautlow</code> and <code>\umlauthigh</code><br>moved to <code>glyphs.dtx</code> , as well as |                                                                                                                                                           |   |
|              | General: Removed global assignments,<br>brought uptodate with <code>german.tex</code><br>v2.3d . . . . .                                        | 1 |                                                                                                                |                                                                                                                                                           |   |

|                                                                                                               |   |                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------|
| \newumlaut (now \lower@umlaut . .                                                                             | 6 | Version 2.6j                                                                                                               |
| Moved all quotation characters to<br>glyphs.dtx . . . . .                                                     | 7 | \@captionsgerman: Added<br>\glossaryname . . . . .                                                                         |
| Moved the identification to the top<br>of the file . . . . .                                                  | 1 | \noextrasswissgerman: Now use<br>\providehyphenmins to provide a<br>default value . . . . .                                |
| Rewrote the code that handles the<br>active double quote character . . . .                                    | 1 | 6                                                                                                                          |
| Use \ddot instead of \@MATHUMLAUT .                                                                           | 7 | Version 2.6k                                                                                                               |
| Version 2.6b                                                                                                  |   | \noextrasswissgerman: Turn<br>frenchspacing on, as in german.sty                                                           |
| \@captionsgerman: Added \proofname<br>for AMS- $\text{\LaTeX}$ . . . . .                                      | 4 | 6                                                                                                                          |
| Version 2.6c                                                                                                  |   | Version 2.6l                                                                                                               |
| \@noextrasswissgerman: Use decimal<br>number instead of hat-notation as<br>the hat may be activated . . . . . | 6 | General: Making germanb behave like<br>german needs some more work<br>besides defining \CurrentOption . . .                |
| General: added the \allowhyphens . . .                                                                        | 7 | 3                                                                                                                          |
| Moved \german@dq@disc to<br>babel.def, calling it \bbl@disc . . .                                             | 7 | Version 2.6m                                                                                                               |
| Version 2.6d                                                                                                  |   | General: Corrected a typo . . . . .                                                                                        |
| \@captionsgerman: Construct control<br>sequence on the fly . . . . .                                          | 4 | 3                                                                                                                          |
| \@noextrasgerman: Construct control<br>sequence \extrasgerman or<br>\extrasaustrian on the fly . . . . .      | 6 | Version 2.7                                                                                                                |
| General: Moved the definition of<br>\atcatcode right to the beginning. . .                                    | 1 | \@captionsgerman: Changed \enclname<br>in austrian to <i>Beilage(n)</i> . . . . .                                          |
| Now use \ldf@finish to wrap up . .                                                                            | 8 | 4                                                                                                                          |
| Now use \LdfInit to perform initial<br>checks . . . . .                                                       | 3 | Split \captionsgerman from<br>\captionsaustrian and<br>\captionsswissgerman. . . . .                                       |
| Replaced \undefined with<br>\@undefined and \empty with<br>\@empty for consistency with $\text{\LaTeX}$ .     | 1 | 4                                                                                                                          |
| Version 2.6f                                                                                                  |   | \@dateswissgerman: Added<br>\dateswissgerman. . . . .                                                                      |
| \ck: Now use \shorthand and<br>\shorthandoff . . . . .                                                        | 8 | 5                                                                                                                          |
| \dateaustrian: use \def instead of<br>\edef . . . . .                                                         | 6 | \@noextrasswissgerman: Added<br>\extrasswissgerman and<br>\@noextrasswissgerman. . . . .                                   |
| Use \edef to define \today to save<br>memory . . . . .                                                        | 6 | 6                                                                                                                          |
| \dategerman: use \def instead of \edef                                                                        | 5 | Deactivate shorthands also outside<br>of austrian and swissgerman. . . . .                                                 |
| Use \edef to define \today to save<br>memory . . . . .                                                        | 5 | 6                                                                                                                          |
| General: Copied the coding for "f<br>from german.dtx version 2.5d . . .                                       | 8 | Do not use \@namedef when<br>\@noextras is already defined and<br>should not be overwritten. . . . .                       |
| use \SS instead of SS, removed<br>braces after \ss . . . . .                                                  | 7 | 6                                                                                                                          |
| Version 2.6i                                                                                                  |   | General: Added support for variety<br>swissgerman. . . . .                                                                 |
| \@noextrasswissgerman: Deactivate<br>shorthands outside of German. . .                                        | 6 | 1                                                                                                                          |
|                                                                                                               |   | Generate portmanteau files<br>austrian.ldf, german.ldf and<br>swissgerman.ldf. . . . .                                     |
|                                                                                                               |   | 8                                                                                                                          |
|                                                                                                               |   | Revised austrian support. . . . .                                                                                          |
|                                                                                                               |   | 1                                                                                                                          |
|                                                                                                               |   | Revised documentation: Turn the<br>babel manual chapter into a<br>self-enclosed manual. . . . .                            |
|                                                                                                               |   | 1                                                                                                                          |
|                                                                                                               |   | Version 2.7b                                                                                                               |
|                                                                                                               |   | General: Do not warn about missing<br>swissgerman patterns if<br>swissgerman is not loaded . . . . .                       |
|                                                                                                               |   | 3                                                                                                                          |
|                                                                                                               |   | Version 2.8                                                                                                                |
|                                                                                                               |   | \@captionsgerman: Define<br>trans-variational base captions<br>which are loaded and modified by<br>the varieties . . . . . |
|                                                                                                               |   | 4                                                                                                                          |

|                                                                                                   |   |                                                                                           |   |
|---------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------|---|
| \captionsaustrian: Only define<br>\captionsaustrian if austrian is<br>requested. . . . .          | 5 | \dateaustrian if austrian is<br>requested. . . . .                                        | 6 |
| \captionsgerman: Only define<br>\captionsgerman if german is<br>requested. . . . .                | 4 | \dategerman: Only define \dategerman<br>if german is requested. . . . .                   | 5 |
| \captionsswissgerman: Only define<br>\captionsswissgerman if<br>swissgerman is requested. . . . . | 5 | \dateswissgerman: Only define<br>\dateswissgerman if swissgerman<br>is requested. . . . . | 5 |
| \dateaustrian: Only define                                                                        |   | General: Only add Austrian dialect if<br>austrian is loaded . . . . .                     | 3 |

## References

- [1] Ammon, Ulrich et al.: *Variantenwörterbuch des Deutschen. Die Standardsprache in Österreich, der Schweiz und Deutschland sowie in Liechtenstein, Luxemburg, Ostbelgien und Südtirol.* Berlin, New York: De Gruyter.
- [2] Braams, Johannes and Bezos, Javier: *Babel*. <http://www.ctan.org/pkg/babel>.
- [3] Partl, Hubert: *German T<sub>E</sub>X, TUGboat* 9 (1988) #1, p. 70–72.
- [4] Raichle, Bernd: *German*. <http://www.ctan.org/pkg/german>.