Babel support for the German language (traditional orthography)

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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 ngermanb.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: consonantial 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

- "a umlaut ä (shorthand for \"a). Similar shorthands are available for all other lower- and uppercase vowels (umlauts: "a, "o, "u, "A, "0, "U, as well as tremata: "e, "i, "E, "I).
- "s German ß (shorthand for \ss{}).
- "z German ß (shorthand for \ss{}).
- "ck for ck to be hyphenated as k-k.
- "ff for ff to be hyphenated as ff-f, this is also implemented for l, m, n, p, r and t.
- "S (\uppercase{"s}, since \u00ed must be written as SS or SZ, see below in uppercase writing).
- "Z SZ (\uppercase{"z}, since ß must be written as SZ or SS, see above in uppercase writing).
- "| disable ligature at this position (e.g. Auf"|lage).
- "- an additional breakpoint that does still allow for hyphenation at the breakpoints preset in the hyphenation patterns (as opposed to \-).
- "" a breakpoint that does not output a hyphen sign if the line break is performed (useful for compound words with hyphen, e. g. (Un-)""Sinn).
- "~ a compound word mark without a breakpoint. Useful for cases such as bergauf und "~ab.
- "= a compound word mark with a breakpoint, allowing for hyphenation at the other points preset in the hyphenation patterns (as opposed to plain -).
- "' German left double quotes (i. e. ").
- "' German right double quotes (i. e. ").
- "< French/Swiss left double quotes (i. e. «).
- "> 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)

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

3 Implementation

3.1 General settings

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

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

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.ldf 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\bbl@tempa{austrian}
22 \ifx\CurrentOption\bbl@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\bbl@tempa{swissgerman}
34 \ifx\CurrentOption\bbl@tempa
   \ifx\l@swissgerman\@undefined
      \ifx\l@german\@undefined
        \@nopatterns{Swiss German (trad. orthography) and German (trad. orthography)}
37
38
        \adddialect\l@swissgerman0
39
        \@nopatterns{Swiss German (trad. orthography)}
40
        \adddialect\l@swissgerman\l@german
41
      ۱fi
42
  \fi
43
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 LaTeX for German. This is an internal macro that is inherited and modified by the following macros for the respective language varieties.

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

 $\colongraph{\col$

The macro \c aptions german is identical to \c aptions german, but only defined if german is requested.

```
68 \def\bbl@tempa{german}
69 \ifx\CurrentOption\bbl@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\bbl@tempa{austrian}
75 \ifx\CurrentOption\bbl@tempa
76 \@namedef{captionsaustrian}{%
77 \@nameuse{@captionsgerman}%
78 \def\enclname{Beilage(n)}%
79 }
80 \fi
```

 $\colonyright \colonyright \co$

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

```
81\def\bbl@tempa{swissgerman}
82\ifx\CurrentOption\bbl@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\bbl@tempa{german}
92\ifx\CurrentOption\bbl@tempa
93 \def\dategerman{\def\today{\number\day.~\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\bbl@tempa{swissgerman}
97 \ifx\CurrentOption\bbl@tempa
98 \def\dateswissgerman{\def\today{\number\day.~\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.

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 analoguously.

\noextrasaustrian For all German varieties, the character " is made active. This is done once, later on \noextrasswissgerman 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.

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

For German texts we need to assure that $\footnote{\mathsf{Trenchspacing}}$ 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 \ensuremath{\label{a}}{\label{a}} 130 \ensuremath{\label{a}}
\label{lower} \begin{tabular}{l} $131 \end{tabular} $$131 \end{t
\label{lower} \begin{tabular}{l} $132 \leq a = 0. \\ 
{\tt 133 \backslash declare@shorthand\{german\}{"A}{\backslash textormath\{\backslash "\{A\}\backslash allowhyphens}\{\backslash ddot\ A\}}}
{}_{134} \ declare@shorthand \{german\} \{"0\} \{ \texttt{\formath} \ "\{0\} \ allow \ hyphens \} \{ \texttt{\formath} \ textor \ math} \} \} \\
\label{lem:lem:lem:u} $$135 \end{$\mathbb{U}}_{\mathbb{U}}\allowhyphens}_{\dot U}$$
tremata.
136 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{
137 \declare@shorthand{german}{"E}{\textormath{\"{E}}}{\ddot E}}
{\tt 138 \backslash declare@shorthand\{german\}\{"i}\{\backslash textormath\{\backslash "\{\backslash i\}\}\%}
                                                                                                                                                                                                    {\ddot\imath}}
{\tt 140 \backslash declare@shorthand\{german\}\{"I}\{\backslash textormath\{\backslash"\{I\}\}\{\backslash ddot\ I\}\}}
German ß,
_{141} \declare@shorthand{german}{"s}{\textormath{\ss}{\@SS{}}}
_{142} \ensuremath{\mbox{declare@shorthand{german}{"S}{\SS}}
{\tt 143 \backslash declare@shorthand\{german\}{"z}{\backslash textormath{\backslash ss}{\backslash @SS{}}}}
_{144} \ensuremath{\mbox{declare@shorthand{german}{"Z}{SZ}}
German and French/Swiss quotation marks,
_{145} \ensuremath{\mbox{declare@shorthand{german}{"'}}{\mbox{glqq}}
{\tt 146 \backslash declare@shorthand\{german\}\{"'\}\{\backslash grqq\}}
{\scriptstyle 147\, \backslash declare@shorthand \{german\} \{"<\} \{\backslash flqq\}}
_{148} \declare@shorthand\{german\}{">}{\frqq}
discretionary commands
_{149} \declare@shorthand{german}{"c}{\text{\textormath}\{\bbl@disc\ ck}{c}}
\label{localize} $$150 \declare@shorthand{german}{"C}{\text{\textormath}(bbl@disc\ CK}{C}}$
151 \declare@shorthand{german}{"F}{\textormath{\bbl@disc F{FF}}{F}}
\label{localize} $$152 \declare@shorthand{german}{"l}{\text{\textormath}\bbl@disc \ l{ll}}{l}}$
\label{localize} $$154 \declare@shorthand{german}{"m}{\text{\textormath}(bbl@disc m{mm})}{m}}$
\label{lem:math} $$155 \declare@shorthand{german}{"M}{\text{\textormath}(bbl@disc M{MM})}{M}$$
\label{localized} \mbox{$156$ \end{constraint} $$ in {\colored constraints} $$ in $$ in
```

```
158 \declare@shorthand{german}{"p}{\textormath{\bbl@disc p{pp}}}{p}}
                                             159 \declare@shorthand{german}{"P}{\textormath{\bbl@disc P{PP}}{P}}
                                             \label{lem:condition} $$160 \declare@shorthand{german}{"r}{\text{\textormath}\{bbl@disc\ r{rr}}{rr}$$
                                             \label{lem:conditional} $$163 \leq T{TT}_{T}} $$ \end{condition} $$163 \end{condition} $$
                                             (we need to treat "f a bit differently in order to preserve the ff-ligature)
                                             \label{lem:conditional} \begin{tabular}{l} 164 \end{tabular} $$164 \end{tabular} $$1
                                             165 \def\bbl@discff{\penalty\@M
                                             166 \afterassignment\bbl@insertff \let\bbl@nextff= }
                                             167 \def\bbl@insertff{%
                                             168 \if f\bbl@nextff
                                                                             \expandafter\@firstoftwo\else\expandafter\@secondoftwo\fi
                                             170 {\relax\discretionary{ff-}{f}\allowhyphens}{f\bbl@nextff}}
                                             171 \let\bbl@nextff=f
                                             and some additional commands (hyphenation and ligature control):
                                             _{172} \declare@shorthand{german}{"-}{\nobreak}-\bbl@allowhyphens}
                                             _{173} \ensuremath{\mbox{declare@shorthand{german}{"|}}{\%}
                                             174 \textormath{\penalty\@M\discretionary{-}{}{\kern.03em}%
                                                                                                                               \allowhyphens}{}}
                                            175
                                             176 \declare@shorthand{german}{""}{\hskip\z@skip}
                                             \label{lem:initial} $$177 \leq e^{\sinh(-)}_{\pi} \simeq {\text{\constraints}}_{\pi} $$
                                             \label{localize} \mbox{$178 \declare@shorthand{german}{"=}{\penalty\@M-\hskip\z@skip}} \mbox{$$268$ in $178$ 
    \mdqon All that's left to do now is to define a couple of commands for reasons of compatibility
\mbox{\em mdqoff} with german.sty.
                    \label{eq:ck_179_def_mdqon_shorthandon{"}} \\
                                            180 \def\mdqoff{\shorthandoff{"}}
```

157 \declare@shorthand{german}{"N}{\textormath{\bbl@disc N{NN}}{N}}

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

${\sf 3.6}$ austrian.ldf, german.ldf ${ m and}$ swissgerman.ldf

Babel expects a $\langle lang \rangle$.ldf file for each $\langle lang \rangle$. So we create portmanteau ldf files for austrian, german and swissgerman.² These files themselves only load germanb.ldf, which does the real work:

183 \input germanb.ldf\relax

²For 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	Version 2.2a
General: Incorporated Nico's	General: Renamed babel.sty in
comments 1	babel.com
Version 1.0b	Version 2.2d
General: fixed typo in definition for	General: Removed use of
austrian language found by	\@ifundefined 3
Werenfried Spit nspit@fys.ruu.nl . 1	Version 2.3
Version 1.oc	General: Rewritten parts of the code to
General: Fixed some typos 1	use the new features of babel
Version 1.1	version 3.1
\noextrasgerman: Added \dieresis 6	Version 2.3e
General: When using PostScript fonts	\@captionsgerman: Added
with the Adobe fontencoding, the	\prefacename,\seename and
dieresis-accent is located	\alsoname 4
elsewhere, modified germanb 1	\dategerman: Added \month@german 5
Version 1.1a	General: Added \save@sf@q macro and
General: Modified the documentation	rewrote all quote macros to use it . 7
somewhat 1	Added warning, if no german
Version 2.0	patterns loaded 3
General: Modified for babel 3.0 1	Brought up-to-date with german.tex
Now use \adddialect for austrian . 3	v2.3e (plus some bug fixes) [br] 1
Now use \adddialect if language	Version 2.3h
undefined 3	General: moved definition of
Version 2.0a	\allowhyphens,\set@low@box and
General: Removed some problems in	\save@sf@q to babel.com 7
change log 1	Version 2.4
Version 2.ob	\@captionsgerman: \headpagename
\extrasgerman: added some comment	should be \pagename 4
chars to prevent white space 6	Version 2.5
\noextrasgerman: added some	General: Update or \LaTeX 2 ε
comment chars to prevent white	Version 2.5c
space 6	General: Now use \@nopatterns to
Version 2.1	produce the warning 3
General: Removed bug found by van	Removed the use of \filedate and
der Meer 1	moved the identification after the
Version 2.2	loading of babel.def 1
\@captionsgerman: \pagename should	Version 2.6a
be \headpagename4	\noextrasswissgerman: All the code to
Removed \global definitions 4	handle the active double quote has
\extrasgerman: Save all redefined	been moved to babel.def 6
macros 6	Removeed \3 as it is no longer in
\noextrasgerman: Try to restore	germanb.ldf 6
everything to its former state 6	use \germanhyphenmins to store the
General: Removed global assignments,	correct values 6
brought uptodate with german.tex	General: \umlautlow and \umlauthigh
v2.3d	moved to glyphs.dtx, as well as

\newumlaut (now \lower@umlaut 6	Version 2.6j
Moved all quotation characters to	\@captionsgerman: Added
glyphs.dtx7	\glossaryname4
Moved the identification to the top	\noextrasswissgerman: Now use
of the file 1	\providehyphenmins to provide a
Rewrote the code that handles the	default value 6
active double quote character 1	Version 2.6k
Use \d instead of \d MATHUMLAUT . 7	\noextrasswissgerman: Turn
Version 2.6b	frenchspacing on, as in german.sty 6
$\ensuremath{\texttt{Qcaptionsgerman}}$: $Added\proofname$	Version 2.6l
for AMS-LATEX4	General: Making germanb behave like
Version 2.6c	german needs some more work
\noextrasswissgerman: Use decimal	besides defining \CurrentOption \dots 3
number instead of hat-notation as	Version 2.6m
the hat may be activated 6	General: Corrected a typo 3
General: added the \allowhyphens 7	Version 2.7
Moved \german@dq@disc to	\@captionsgerman: Changed \enclname
babel.def, calling it \bbl@disc 7	in austrian to Beilage(n) 4
Version 2.6d	Split \captionsgerman from
\@captionsgerman: Construct control	\captionsaustrian and
sequence on the fly 4	\captionsswissgerman 4
\noextrasgerman: Construct control	\dateswissgerman: Added
sequence \extrasgerman or	\dateswissgerman5
\extrasaustrian on the fly \dots 6	\noextrasswissgerman: Added
General: Moved the definition of	\extrasswissgerman and
\arrowvert atcatcode right to the beginning 1	\noextrasswissgerman 6
Now use \ldf@finish to wrap up 8	Deactivate shorthands also outside
Now use \LdfInit to perform initial	of austrian and swissgerman 6
checks 3	Do not use \@namedef when
Replaced \undefined with	\noextras is already defined and
\@undefined and \empty with	should not be overwritten 6
\@empty for consistency with \LaTeX . 1	General: Added support for variety
Version 2.6f	swissgerman 1
\ck: Now use \shorthandon and	Generate portmanteau files
\shorthandoff 8	austrian.ldf,german.ldf and
\dateaustrian: use \def instead of	swissgerman.ldf 8
\edef6	Revised austrian support 1
Use \edef to define \today to save	Revised documentation: Turn the
memory 6	babel manual chapter into a
\dategerman: use \def instead of \edef 5	self-enclosed manual 1
Use \edef to define \today to save	Version 2.7b
memory 5	General: Do not warn about missing
General: Copied the coding for "f	swissgerman patterns if
from german.dtx version 2.5d 8	swissgerman is not loaded 3
use \SS instead of SS, removed	Version 2.8
braces after \ss 7	\@captionsgerman: Define
Version 2.6i	trans-variational base captions
\noextrasswissgerman: Deactivate	which are loaded and modified by
shorthands outside of German 6	the varieties 4

\captionsaustrian: Only define \captionsaustrian if austrian is requested	\dateaustrian if austrian is requested
References	
[1] Ammon, Ulrich et al.: Variantenwörterlich, der Schweiz und Deutschland gien und Südtirol. Berlin, New York: De	l sowie in Liechtenstein, Luxemburg, Ostbel
[2] Braams, Johannes and Bezos, Javier: Bal	bel.http://www.ctan.org/pkg/babel.

[3] Partl, Hubert: German TEX, TUGboat 9 (1988) #1, p. 70-72.[4] Raichle, Bernd: German. http://www.ctan.org/pkg/german.