

TRANSLATIONS

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part of the **ExSHEETS** bundle

a simple translator

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English documentation

Contents	
1 Motivation	1
2 License and Requirements	2
3 Usage	2
3.1 Available Commands	2
4 Defined Languages	5
5 Implementation	6
2 Index	17
3.2 A Small Example	3
3.3 Usage in Packages	4
3.4 Dictionaries	5

1 Motivation

This package provides means for package authors to have an easy interface for internationalization of their packages. The functionality of this package is in many parts also covered by the package translator (part of the beamer¹ bundle). Internationalization is also possible with babel² and it's `\addto\captions<language>` mechanism or KOMA-Script's `\providecaptionname`. However, I believe that **TRANSLATIONS** is more flexible than all of these. Unlike translator it detects the used (babel or polyglossia³) language itself and provides expandable retrieving of the translated key. **TRANSLATIONS** also provides support for language dialects which means package authors can distinguish between British, Australian, Canadian and US English, say.

¹ CTAN: beamer ² CTAN: babel ³ CTAN: polyglossia

2 License and Requirements

TRANSLATIONS is placed under the terms of the L^AT_EX Project Public License, version 1.3 or later (<http://www.latex-project.org/lppl.txt>). It has the status “maintained.”

TRANSLATIONS requires the etoolbox⁴ package.

3 Usage

3.1 Available Commands

Below the commands provided by **TRANSLATIONS** are explained. The symbol ▷ means that the command is expandable, ► means that it isn’t.

► \DeclareLanguage{<lang>}

Declare a language that can be used by **TRANSLATIONS**. If the language already exists it will be silently redefined. This command can only be used in the preamble.

► \DeclareLanguageAlias{<lang2>}{<lang1>}

Declares <lang2> to be an alias of <lang1>. If <lang1> doesn’t exist yet a warning will be raised and it will be defined. This command can only be used in the preamble.

► \DeclareLanguageDialect{<dialect>}{<lang>}

Declares <dialect> to be a dialect of language <lang>. If a translation for <dialect> is provided it is used by the translation macros. If there is none the corresponding translation for <lang> is used instead.

► \NewTranslation{<lang>}{<key>}{<translation>}

Defines a translation of key <key> for the language <lang>. An error will be raised if a translation of <key> already exists. This command can only be used in the preamble.

► \RenewTranslation{<lang>}{<key>}{<translation>}

Redefines a translation of key <key> for the language <lang>. An error will be raised if no translation of <key> exists. This command can only be used in the preamble.

► \DeclareTranslation{<lang>}{<key>}{<translation>}

Defines a translation of key <key> for the language <lang>. No error will be raised if a translation of <key> already exists. This command can only be used in the preamble.

► \DeclareTranslationFallback{<key>}{<fallback>}

Defines a fallback translation for key <key> that is used in case no translation of <key> for the currently active language has been provided. No error will be raised if a fallback for <key> already exists. This command can only be used in the preamble.

⁴ CTAN: etoolbox

- ▷ **\GetTranslationFor{<lang>}{<key>}**
Fetches and prints the translation of <key> for the language <lang>. This command is expandable.
- ▷ **\GetTranslation{<key>}**
Fetches and prints the translation of <key> for the currently active language (as for example set by babel). This command is expandable.
- **\SaveTranslationFor{<cmd>}{<lang>}{<key>}**
Fetches and saves the translation of <key> for the language <lang> in the macro <cmd>.
- **\SaveTranslation{<cmd>}{<key>}**
Fetches and saves the translation of <key> for the currently active language (as for example set by babel) in the macro <cmd>.
- **\LoadDictionary{<name>}**
Loads a file named <name>-<lang>.trsl where <lang> corresponds to the lowercase name of the current language as defined with **\DeclareLanguage**. This file should contain the translations for the specified language.
- **\LoadDictionaryFor{<lang>}{<name>}**
Loads a file named <name>-<lang>.trsl.
- **\DeclareDictTranslation{<key>}{<translation>}**
This command is to be used in a dictionary file and picks up the language of that file, see section 3.4 for an example.

Quite a number of languages already are defined, either directly or via an alias. So, before you define a language you should take a look at section 4 if the language doesn't already exist.

3.2 A Small Example

This section demonstrates with two short examples how the macros are used. The first example covers the basics: defining of translations and then retrieving and typesetting them.

```

1 % in the preamble:
2 % \DeclareTranslation{English}{Kueche}{kitchen}
3 % \DeclareTranslation{German}{Kueche}{K\"uche}
4 % \DeclareTranslation{Spanish}{Kueche}{cocina}
5 % \DeclareTranslation{French}{Kueche}{cuisine}
6
7 \GetTranslation{Kueche}
8 \SaveTranslation{kitchen}{Kueche}
9 \SaveTranslationFor{cuisine}{french}{Kueche}
10
11 \selectlanguage{ngerman}
12 \GetTranslation{Kueche} \kitchen\ \GetTranslationFor{spanish}{Kueche}
13 \cuisine

```

kitchen
Küche kitchen cocina cuisine

The next example demonstrates the use of dialects and how they fall back to the translation for the main language if no extra translation was declared:

```

1 % in the preamble:
2 % \DeclareTranslation{English}{farbe}{color}
3 % \DeclareTranslation{British}{farbe}{colour}
4
5 \GetTranslationFor{English}{farbe} \\
6 \GetTranslationFor{British}{farbe} \\
7 \GetTranslationFor{American}{farbe}

color
colour
color

```

3.3 Usage in Packages

A typical usage in a package would look as follows:

```

1 \RequirePackage{translations}
2 \DeclareTranslationFallback{mypackage-title}{Nice Title}
3 \DeclareTranslation{English}{mypackage-title}{Nice Title}
4 \DeclareTranslation{French}{mypackage-title}{Beau Titre}
5 \DeclareTranslation{German}{mypackage-title}{Sch\"oner
    Titel}
6 ...
7 \def\mypackage@title{\GetTranslation{mypackage-title}}

```

4 Defined Languages

That is, a package defines some unique key for an expression and at least defines a fallback translation. Additionally translations for as many languages as the author wants are defined. A user then may add \DeclareTranslation{<language>}{{<translation>}} if they find their translation missing.

3.4 Dictionaries

A typical dictionary file should look as follows:

```
1 % this is file housing-german.trsl
2 \ProvideDictionaryFor{German}{housing}[<version info>]
3 \DeclareDictTranslation{kitchen (housing)}{K\"uche}
4 \DeclareDictTranslation{bathroom (housing)}{Bad}
5 \DeclareDictTranslation{living room (housing)}{Wohnzimmer}
6 \DeclareDictTranslation{bedroom (housing)}{Schlafzimmer}
7 ...
8 \endinput
```

The usage is similar to the one in a package: unique keys are given translations, this time for the language the dictionary file is declared for only.

4 Defined Languages

TRANSLATIONS currently has these languages defined, “fallback” being a dummy language used for fallback translations:

fallback, albanian, bulgarian, catalan, croatian, czech, danish, dutch, english, finnish, french, german, greek, hebrew, hungarian, icelandic, italian, norwegian, polish, portuges, romanian, russian, serbocroatian, slovak, slovenian, spanish, swedish, turkish, ukrainian, canadien, american, australian, british, canadian, austrian, naustrian, magyar, brazil, swissgerman

To every one of these languages at least one alias exists, the uppercase variant. This is due to the fact that it is common to write language names uppercased. The defined aliases are these (in parentheses the base language name is given):

Fallback (fallback), Albanian (albanian), Bulgarian (bulgarian), Catalan (catalan), Croatian (croatian), Czech (czech), Danish (danish), Dutch (dutch), Finnish (finnish), francais (french), Francais (francais), Canadien (canadien), French (french), American (american), Australian

5 Implementation

(australian), British (british), Canadian (canadian), English (english), UKenglish (british), USenglish (american), Austrian (austrian), German (german), germanb (german), ngerman (german), Greek (greek), polutonikogreek (greek), Hebrew (hebrew), Hungarian (hungarian), Magyar (magyar), Icelandic (icelandic), Italian (italian), norsk (norwegian), Norsk (norsk), Norwegian (norwegian), nynorsk (norwegian), Nynorsk (nynorsk), Polish (polish), Brazil (brazil), brazilian (brazil), Brazilian (brazilian), Portuges (portuges), portuguese (portuges), Portuguese (portuguese), Romanian (romanian), Russian (russian), Serbocroatian (serbocroatian), Slovak (slovak), Slovenian (slovenian), Spanish (spanish), Swedish (swedish), Swiss (swissgerman), Swissgerman (swissgerman), Turkish (turkish), Ukrainian (ukrainian)

TRANSLATIONS also defines a few dialects. The language to which the dialect belongs to is given in parentheses:

canadien (french), american (english), australian (english), british (english), canadian (english), austrian (german), naustrian (austrian), magyar (hungarian), brazil (portuges), swissgerman (german)

These languages should cover all languages which are currently covered by babel and polyglossia.

5 Implementation

In the following code the lines 1–30 have been omitted. They only repeat the license statement which has already been mentioned in section 2.

```
31 \def\@trnslt@date{2013/06/28}
32 \def\@trnslt@version{v0.10}
33
34 \ProvidesPackage{translations}[\@trnslt@date\space \@trnslt@version\space a
   simple translator]
35 \RequirePackage{etoolbox}
36
37 % -----
38 % message handling
39 \def\@trnslt@error@message{%
40   For details have a look at the 'translations' manual.}
41
42 \def\@trnslt@create@message#1{%
43   \ifstrequal{#1}{Error}{%
44     {%
45       \lowercase{\csdef{@trnslt@#1}}##1{%
```

5 Implementation

```
46      \csuse{Package#1}{translations}##1{\@trnslt@error@message}}%
47  }{%
48      \lowercase{\csdef{@trnslt#1}##1{%
49          \csuse{Package#1}{translations}##1}%
50      }}%
51  \@trnslt@create@message{Error}%
52  \@trnslt@create@message{Warning}%
53  \@trnslt@create@message{WarningNoLine}%
54  \@trnslt@create@message{Info}%
55
56 \def\@trnslt@err@unknown@lang#1{%
57     \@trnslt@error{Unknown language '#1'}}%
58
59 \def\@trnslt@warn@unknown@lang#1{%
60     \@trnslt@warning{Unknown language '#1'}}%
61
62 \def\@trnslt@err@already@defined#1#2{%
63     \@trnslt@error{The #2 translation for '#1' is already defined.}}%
64
65 \def\@trnslt@err@not@defined#1#2{%
66     \@trnslt@error{The \@trnslt@language{#2} translation for '#1' is not
67     defined yet.}}%
68 %
69 % check if babel or polyglossia is used
70 \AtEndPreamble{
71     \@ifpackageloaded{babel}{}{%
72         \@ifpackageloaded{polyglossia}{}{%
73             {\@trnslt@warning{No language package found. I am going to use 'english'
74             as default language.}}}
75     }
76     \ifdef\languagename{%
77         {\def\languagename{english}}
78         \def\@trnslt@current@language{\languagename}
79     }
80     \ifdef\bbb@afterfi{%
81         {\long\def\bbb@afterfi#1\fi{\fi#1}}
82     }
83
84 % book keeping: the following macros will be used as 'etoolbox' lists that
85 % keep record of defined languages, dialects and aliases
86 \def\@trnslt@languages{}%
87 \def\@trnslt@aliases@pair{}%
88 \def\@trnslt@aliases@single{}%
89 \def\@trnslt@dialects@pair{}%
90 \def\@trnslt@dialects@single{}%
```

5 Implementation

```
90 %
91 % -----
92 % \DeclareLanguage and \DeclareLanguageAlias
93 % #1: language
94 \newrobustcmd*\DeclareLanguage[1]{%
95     \@trnslt@declare@language{#1}}
96 \onlypreamble\DeclareLanguage
97
98 \def\@trnslt@declare@language#1{%
99     \@trnslt@if@language{#1}
100    {}{%
101        \csdef{@trnslt@language@#1}{#1}%
102        \listadd{\@trnslt@languages}{#1}%
103    }%
104 }
105
106 \def\@trnslt@language#1{%
107     \csuse{@trnslt@language@#1}%
108
109 \def\@trnslt@if@language#1{%
110     \ifcsundef{@trnslt@language@#1}%
111         {\expandafter\@secondoftwo}%
112         {\expandafter\@firstoftwo}%
113 }
114
115 % #1: dialect
116 % #2: language
117 \newrobustcmd*\DeclareLanguageDialect[2]{%
118     \@trnslt@declare@languagedialect{#1}{#2}%
119 \onlypreamble\DeclareLanguageDialect
120
121 \def\@trnslt@declare@languagedialect#1#2{%
122     \@trnslt@if@language{#2}
123    {}{%
124        \@trnslt@warn@unknown@lang{#2}%
125        \@trnslt@declare@language{#2}%
126    }%
127    \@trnslt@if@dialect{#1}
128    {%
129        % => ist schon als dialect definiert => irgendwelche weiteren checks?
130    }%
131    {}%
132        \csedef{@trnslt@dialect@#1}{{\@trnslt@alias{#2}}{#1}}%
133        \@trnslt@declare@language{#1}%
134        \listadd{\@trnslt@dialects}{#1}%
135 }
```

5 Implementation

```

136      \listead\@trnslt@dialects@pair{\#1}{\@trnslt@alias{\#2}}}%%
137  }
138 {%
139   \csdef{@trnslt@dialect{\#1}{\#2}{\#1}}%
140   \atrnslt@declare@language{\#1}%
141   \listead\@trnslt@dialects@single{\#1}%
142   \listead\@trnslt@dialects@pair{\#1}{\#2}}%
143 }%
144 }%
145 }
146
147 \def\@trnslt@dialect#1{%
148   \csuse{@trnslt@dialect{\#1}}%
149
150 \def\@trnslt@dialect@of#1{%
151   \expandafter\expandafter\expandafter
152   \atrnslt@dialect@of@aux
153   \csname @trnslt@dialect{\#1}\endcsname\@empty
154 }%
155 \def\@trnslt@dialect@of@aux#1#2{\ifx\relax#1\@empty\else#1\fi}%
156
157 \def\@trnslt@if@dialect#1{%
158   \ifcsundef{@trnslt@dialect{\#1}}
159   {\expandafter\@secondoftwo}
160   {\expandafter\@firstoftwo}%
161 }%
162
163 % #1: alias
164 % #2: language
165 \newrobustcmd*\DeclareLanguageAlias[2]{%
166   \atrnslt@declare@languagealias{\#1}{\#2}%
167   \onlypreamble\DeclareLanguageAlias
168
169 \def\@trnslt@declare@languagealias#1#2{%
170   \atrnslt@if@language{\#2}%
171   {}{%
172     \atrnslt@warn@unknown@lang{\#2}%
173     \atrnslt@declare@language{\#2}%
174   }%
175   \csletcs{@trnslt@language{\#1}}{@trnslt@language{\#2}}%
176   \atrnslt@if@dialect{\#2}%
177   {\csletcs{@trnslt@dialect{\#1}}{@trnslt@dialect{\#2}}}
178   {}%
179   \ifinlist{\#1}\atrnslt@aliases@single
180   {}{%
181     \csdef{@trnslt@alias{\#1}{\#2}}%
182     \listead\@trnslt@aliases@pair{\#1}{\#2}}%

```

5 Implementation

```
183     \listead\@trnslt@aliases@single{\#1}%
184     }%
185 }
186
187 \def\@trnslt@alias#1{%
188   \csuse{@trnslt@alias@#1}}
189
190 \def\@trnslt@if@alias#1{%
191   \ifcsundef{@trnslt@alias@#1}
192     {\expandafter\@secondoftwo}
193     {\expandafter\@firstoftwo}%
194 }
195
196 % dummy language: 'fallback':
197 \DeclareLanguage{fallback}
198 \DeclareLanguageAlias{Fallback}{fallback}
199
200 %
201 % \DeclareTranslation, \NewTranslation and \RenewTranslation
202 % #1: language
203 % #2: word
204 % #3: replacement
205 \newrobustcmd*\DeclareTranslation[3]{%
206   \@trnslt@declare@translation{\#2}{\#1}{\#3}}
207 \onlypreamble\DeclareTranslation
208
209 \newrobustcmd*\DeclareTranslationFallback[2]{%
210   \@trnslt@declare@translation{\#1}{fallback}{\#2}}
211 \onlypreamble\DeclareTranslationFallback
212
213 \newrobustcmd*\NewTranslation[3]{%
214   \@trnslt@new@translation{\#2}{\#1}{\#3}}
215 \onlypreamble\NewTranslation
216
217 \newrobustcmd*\RenewTranslation[3]{%
218   \@trnslt@renew@translation{\#2}{\#1}{\#3}}
219 \onlypreamble\RenewTranslation
220
221 % #1: word
222 % #2: language
223 % #3: replacement
224 \def\@trnslt@declare@translation#1#2#3{%
225   \@trnslt@if@language{\#2}
226   {%
227     % save the <word> as <word>:
228     \csdef{@trnslt@word@\#1@literal}{\#1}%
229 }
```

5 Implementation

```

229 % check if the language is a dialect:
230 \@trnslt@if@dialect{#2}
231   {\csdef{@trnslt@word@#1@\@trnslt@dialect{#2}}{#3}}
232   {}%
233 % check if translation already exists:
234 \@trnslt@if@translation{#1}{#2}
235   {}
236   {\csdef{@trnslt@word@#1@\@trnslt@language{#2}}{#3}}%
237 }
238 {\@trnslt@err@unknown@lang{#2}}%
239 }

240 \def\@trnslt@if@translation#1#2{%
241   \ifcsundef{@trnslt@word@#1@\@trnslt@language{#2}}
242     {%
243       \@trnslt@if@dialect{#2}
244         {%
245           \ifboolexe{%
246             test {\ifcsundef{@trnslt@word@#1@\@trnslt@dialect{#2}}} or
247             test {\ifcsundef{@trnslt@word@#1@\@trnslt@dialect@of{#2}}}
248           }%
249           {\expandafter\@firstoftwo}
250           {\expandafter\@secondoftwo}}%
251         }%
252         {\expandafter\@secondoftwo}%
253     }%
254     {\expandafter\@firstoftwo}%
255   }%
256 }

257 \def\@trnslt@new@translation#1#2#3{%
258   \@trnslt@if@translation{#1}{#2}
259     {\@trnslt@err@already@defined{#1}{#2}}
260     {\@trnslt@declare@translation{#1}{#2}{#3}}}

261

262 \def\@trnslt@renew@translation#1#2#3{%
263   \@trnslt@if@translation{#1}{#2}
264     {\@trnslt@declare@translation{#1}{#2}{#3}}
265     {\@trnslt@err@not@defined{#1}{#2}}}

266

267 %

268 % -----
269 % \GetTranslationFor and \GetTranslation
270 % these need to be expandable!
271 % #1: language
272 % #2: word
273 \newcommand*\GetTranslationFor[2]{%
274   \@trnslt@get@translation@for{#2}{#1}}

```

5 Implementation

```

275 \newcommand*\GetTranslation[1]{%
276   \atrnslt@get@translation@for{\#1}{\atrnslt@current@language}}
278 %
279 % #1: word #2: language
280 \def\atrnslt@get@translation@for#1#2{%
281   \atrnslt@if@dialect{#2}%
282   {%
283     \ifcsdef{\atrnslt@word@#1@\atrnslt@dialect{#2}}%
284       {\csuse{\atrnslt@word@#1@\atrnslt@dialect{#2}}}%
285       {\csuse{\atrnslt@word@#1@\atrnslt@dialect@of{#2}}}%
286   }%
287   {\csuse{\atrnslt@word@#1@\atrnslt@language{#2}}}%
288 }
289 %
290 \def\atrnslt@getandcheck@translation@for#1#2{%
291   \atrnslt@if@translation{\#1}{\#2}%
292     {\atrnslt@get@translation@for{\#1}{\#2}}%
293   {%
294     \atrnslt@warning{Translation for '#1' in #2 unknown. You may try to
295     use
296       \string\DeclareTranslation{\#2}{\#1}{ ... } in your preamble.}%
297     \atrnslt@if@translation{\#1}{fallback}%
298     {%
299       \atrnslt@info{Using fallback translation for '#1'}%
300       \csuse{\atrnslt@word@#1@fallback}%
301     }%
302     {\csuse{\atrnslt@word@#1@literal}}%
303   }%
304 }
305 %

306 % \SaveTranslationFor and \SaveTranslation
307 \newrobustcmd*\SaveTranslationFor[3]{%
308   \atrnslt@save@translation@for{\#1}{\#3}{\#2}}
309 %
310 \newrobustcmd*\SaveTranslation[2]{%
311   \atrnslt@save@translation@for{\#1}{\#2}{\atrnslt@current@language}}
312 %
313 \def\atrnslt@save@translation@for#1#2#3{%
314   \edef#1{%
315     \atrnslt@if@translation{\#2}{\#3}%
316     {\csuse{\atrnslt@word@#2@\atrnslt@language{\#3}}}%
317     {}%
318   }%
319 }

```

5 Implementation

```
320 % -----
321 % \LoadDictionary and \LoadDictionaryFor
322 \newrobustcmd*\LoadDictionary[1]{%
323   \@trnslt@load@dictionary@for{\#1}{\@trnslt@current@language}}
324 \onlypreamble\LoadDictionary
325
326 \newrobustcmd*\LoadDictionaryFor[2]{%
327   \@trnslt@load@dictionary@for{\#2}{\#1}}
328 \onlypreamble\LoadDictionaryFor
329
330 % #1: name
331 % #2: lang
332 \def\@trnslt@load@dictionary@for#1#2{%
333   \AtBeginDocument{%
334     \InputIfFileExists{\#1-\@trnslt@language{\#2}.trsl}%
335       {\@trnslt@info{loading dictionary '#1' for '#2'.}}%
336       {\@trnslt@warning{File '#1-\@trnslt@language{\#2}.trsl' not found.}}%
337   }%
338
339 \newrobustcmd*\ProvideDictionaryFor[2]{%
340   \@trnslt@provide@dictionary@for{\#1}{\#2}}
341 \onlypreamble\ProvideDictionaryFor
342
343 \def\@trnslt@provide@dictionary@for#1#2{%
344   \def\@trnslt@dictionary@name{\#2}%
345   \def\@trnslt@dictionary@lang{\#1}%
346   \@ifnextchar[%
347     {\@trnslt@provide@dictionary@version}%
348     {\ProvidesFile{\#2-\#1.trsl}[{\#1 translation file '#2'}]}}%
349
350 \def\@trnslt@provide@dictionary@version[#1]{%
351   \ProvidesFile
352     {\@trnslt@dictionary@name-\@trnslt@dictionary@lang.trsl}%
353     [(\@trnslt@dictionary@lang\space translation file '\%
354     @trnslt@dictionary@name') \#1]}
355
356 % \@trnslt@dictionary@language
357 \newrobustcmd*\DeclareDictTranslation[2]{%
358   \@trnslt@declare@translation{\#1}{\@trnslt@dictionary@lang}{\#2}}
359 \onlypreamble\DeclareDictTranslation
360 %
361 % predefined languages
362 \DeclareLanguage{albanian}
363 \DeclareLanguage{bulgarian}
```

```

364 \DeclareLanguage{catalan}
365 \DeclareLanguage{croatian}
366 \DeclareLanguage{czech}
367 \DeclareLanguage{danish}
368 \DeclareLanguage{dutch}
369 \DeclareLanguage{english}
370 \DeclareLanguage{finnish}
371 \DeclareLanguage{french}
372 \DeclareLanguage{german}
373 \DeclareLanguage{greek}
374 \DeclareLanguage{hebrew}
375 \DeclareLanguage{hungarian}
376 \DeclareLanguage{icelandic}
377 \DeclareLanguage{italian}
378 \DeclareLanguage{norsk}
379 \DeclareLanguage{polish}
380 \DeclareLanguage{portuges}
381 \DeclareLanguage{romanian}
382 \DeclareLanguage{russian}
383 \DeclareLanguage{serbocroatian}
384 \DeclareLanguage{slovak}
385 \DeclareLanguage{slovenian}
386 \DeclareLanguage{spanish}
387 \DeclareLanguage{swedish}
388 \DeclareLanguage{turkish}
389 \DeclareLanguage{ukrainian}

390
391 \DeclareLanguageAlias {Albanian}{albanian}
392 \DeclareLanguageAlias {Bulgarian}{bulgarian}
393 \DeclareLanguageAlias {Catalan}{catalan}
394 \DeclareLanguageAlias {Croatian}{croatian}
395 \DeclareLanguageAlias {Czech}{czech}
396 \DeclareLanguageAlias {Danish}{danish}
397 \DeclareLanguageAlias {Dutch}{dutch}
398 \DeclareLanguageAlias {Finnish}{finnish}
399 \DeclareLanguageAlias {francais}{french}
400 \DeclareLanguageAlias {Francais}{francais}
401 \DeclareLanguageDialect{canadien}{french}
402 \DeclareLanguageAlias {Canadien}{canadien}
403 \DeclareLanguageAlias {French}{french}
404 \DeclareLanguageDialect{american}{english}
405 \DeclareLanguageAlias {American}{american}
406 \DeclareLanguageDialect{australian}{english}
407 \DeclareLanguageAlias {Australian}{australian}
408 \DeclareLanguageDialect{british}{english}
409 \DeclareLanguageAlias {British}{british}
410 \DeclareLanguageDialect{canadian}{english}

```

```

411 \DeclareLanguageAlias {Canadian}{canadian}
412 \DeclareLanguageAlias {English}{english}
413 \DeclareLanguageAlias {UKenglish}{british}
414 \DeclareLanguageAlias {USenglish}{american}
415 \DeclareLanguageDialect{austrian}{german}
416 \DeclareLanguageAlias {Austrian}{austrian}
417 \DeclareLanguageAlias {German}{german}
418 \DeclareLanguageAlias {germanb}{german}
419 \DeclareLanguageDialect{naustrian}{austrian}
420 \DeclareLanguageAlias {ngerman}{german}
421 \DeclareLanguageAlias {Greek}{greek}
422 \DeclareLanguageAlias {polotonikogreek}{greek}
423 \DeclareLanguageAlias {Hebrew}{hebrew}
424 \DeclareLanguageAlias {Hungarian}{hungarian}
425 \DeclareLanguageDialect{magyar}{hungarian}
426 \DeclareLanguageAlias {Magyar}{magyar}
427 \DeclareLanguageAlias {Icelandic}{icelandic}
428 \DeclareLanguageAlias {Italian}{italian}
429 \DeclareLanguageAlias {norsk}{norwegian}
430 \DeclareLanguageAlias {Norsk}{norsk}
431 \DeclareLanguageAlias {Norwegian}{norwegian}
432 \DeclareLanguageAlias {nynorsk}{norwegian}
433 \DeclareLanguageAlias {Nynorsk}{nynorsk}
434 \DeclareLanguageAlias {Polish}{polish}
435 \DeclareLanguageDialect{brazil}{portuges}
436 \DeclareLanguageAlias {Brazil}{brazil}
437 \DeclareLanguageAlias {brazilian}{brazil}
438 \DeclareLanguageAlias {Brazilian}{brazilian}
439 \DeclareLanguageAlias {Portuges}{portuges}
440 \DeclareLanguageAlias {portuguese}{portuges}
441 \DeclareLanguageAlias {Portuguese}{portuguese}
442 \DeclareLanguageAlias {Romanian}{romanian}
443 \DeclareLanguageAlias {Russian}{russian}
444 \DeclareLanguageAlias {Serbocroatian}{serbocroatian}
445 \DeclareLanguageAlias {Slovak}{slovak}
446 \DeclareLanguageAlias {Slovenian}{slovenian}
447 \DeclareLanguageAlias {Spanish}{spanish}
448 \DeclareLanguageAlias {Swedish}{swedish}
449 \DeclareLanguageDialect{swissgerman}{german}
450 % this maybe should be a language of it's own:
451 \DeclareLanguageAlias {Swiss}{swissgerman}
452 \DeclareLanguageAlias {Swissgerman}{swissgerman}
453 \DeclareLanguageAlias {Turkish}{turkish}
454 \DeclareLanguageAlias {Ukrainian}{ukrainian}
455
456 \endinput
457

```

5 Implementation

```
458 % HISTORY:  
459 2012/09/30 v0.2beta - first version (as part of the 'exsheets' bundle)  
460 2012/10/05 v0.2      - \LoadDictionary and \LoadDictionaryFor added and  
461           loads of  
462           languages defined.  
463 2013/03/10 v0.8      - basic dictionaries for English, German, French and  
464           Spanish  
465 2013/04/04 v0.8a     - new command \DeclareDictTranslation  
466 2013/04/07 v0.9      - bug fix in \DeclareDictTranslation  
467 2013/04/08 v0.9a     - slightly improved messages  
468           - changed fallback warning into info  
469           - synchronized version number with 'exsheets' until now  
470           but  
471           won't any more  
472 2013/06/22 v0.9b     - added Swiss  
473 2013/06/28 v0.10     - declaring aliases of dialects now works as expected  
471           declares  
472           - declarings dialects of an alias now correctly  
473           the dialect to the correct base language  
473           - corrected a few erroneous langugae declarations
```

Index

Section titles are indicated **bold**, packages sans serif, commands \brown and options yellow.

B		G	
babel	1, 3	\GetTranslation	3
beamer.....	1	\GetTranslationFor	3
C		I	
\captions<language>	1	Implementation	6
D		L	
\DeclareDictTranslation 3		Languages	5 f.
\DeclareLanguage2f.		\LoadDictionary	3
\DeclareLanguageAlias .. 2		\LoadDictionaryFor	3
\DeclareLanguageDialect 2			
\DeclareTranslation...2, 5		M	
\DeclareTranslationFallback		Motivation	1
2			
E		N	
etoolbox	2	\NewTranslation	2
P		R	
		\RenewTranslation	2
		Requirements	2
S		T	
		translator	1
U		U	
		Usage	2–5