

Basque Module for datetime2 Package

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This module is currently unmaintained and may be subject to change. If you want to volunteer to take over maintenance, contact me at <http://www.dickimaw-books.com/contact.html>

Abstract

This is the Basque language module for the `datetime2` package. If you want to use the settings in this module you must install it in addition to installing `datetime2`. If you use `babel` or `polyglossia`, you will need this module to prevent them from redefining `\today`. The `datetime2 useregional` setting must be set to `text` or `numeric` for the language styles to be set. Alternatively, you can set the style in the document using `\DTMsetstyle`, but this may be changed by `\date<language>` depending on the value of the `useregional` setting.

I've copied the date style from `babel-basque`'s `\today`.

I don't know if these settings are correct. In particular, I don't know if the `basque` time style is correct. Currently this just uses the `default` time style. Please be aware that this may change. Whoever takes over maintenance of this module may change it as appropriate.

The new maintainer should add the line:

`The Current Maintainer of this work is Name.`

to the preamble part in `datetime2-basque.ins` where `Name` is the name of the maintainer(s) and replace the 'inactive' status to 'maintained'.

Currently there is only a regionless style.

1 The Code

At the moment there is only the one `.ldf` file.

1.1 Main Basque Module (`datetime2-basque.ldf`)

Identify Module

```
1 \ProvidesDateTimeModule{basque}[2015/03/29 v1.0]
```

```

\DTMbasqueordinal I don't know if this is correct, but it's provided in case a suffix is required.
2 \newcommand*{\DTMbasqueordinal}[1]{%
3 \number#1 % space intended
4 }

\DTMbasquemonthname Basque month names.
5 \newcommand*{\DTMbasquemonthname}[1]{%
6 \ifcase#1
7 \or
8 urtarrilaren%
9 \or
10 otsailaren%
11 \or
12 martxoaren%
13 \or
14 apirilaren%
15 \or
16 maiatzaren%
17 \or
18 ekainaren%
19 \or
20 uztailaren%
21 \or
22 abuztuaren%
23 \or
24 irailaren%
25 \or
26 urriaren%
27 \or
28 azaroaren%
29 \or
30 abenduaren%
31 \fi
32 }

\DTMbasqueMonthname As above but start with a capital.
33 \newcommand*{\DTMbasqueMonthname}[1]{%
34 \ifcase#1
35 \or
36 Urtarrilaren%
37 \or
38 Otsailaren%
39 \or
40 Martxoaren%
41 \or
42 Apirilaren%
43 \or
44 Maiatzaren%
45 \or

```

```

46 Ekainaren%
47 \or
48 Uztailaren%
49 \or
50 Abuztuaren%
51 \or
52 Irailaren%
53 \or
54 Urriaren%
55 \or
56 Azaroaren%
57 \or
58 Abenduaren%
59 \fi
60 }

```

Define the `basque` style. The time style is the same as the `default` style provided by `datetime2`. This may need correcting. For example, if a 12 hour style similar to the `englishampm` (from the `english-base` module) is required.

Allow the user a way of configuring the `basque` and `basque-numeric` styles. This doesn't use the package wide separators such as `\dtm@datetimesep` in case other date formats are also required.

```

\DTMbasquemonthdaysep The separator between the day and month for the text format.
61 \newcommand*\DTMbasquemonthdaysep}{%
62 \DTMtexorpdfstring{\protect~}{\space}}

\DTMbasqueyearmonthsep The separator between the month and year for the text format.
63 \newcommand*\DTMbasqueyearmonthsep}{.eko\space}

\DTMbasquedatetimesep The separator between the date and time blocks in the full format (either text or
numeric).
64 \newcommand*\DTMbasquedatetimesep}{\space}

\DTMbasquetimezonesep The separator between the time and zone blocks in the full format (either text or
numeric).
65 \newcommand*\DTMbasquetimezonesep}{\space}

\DTMbasquedatesep The separator for the numeric date format.
66 \newcommand*\DTMbasquedatesep}{.}

\DTMbasquetimesep The separator for the numeric time format.
67 \newcommand*\DTMbasquetimesep}{:}

```

Provide keys that can be used in `\DTMlangsetup` to set these separators.

```

68 \DTMdefkey{basque}{monthdaysep}{\renewcommand*\DTMbasquemonthdaysep}{#1}}
69 \DTMdefkey{basque}{yearmonthsep}{\renewcommand*\DTMbasqueyearmonthsep}{#1}}
70 \DTMdefkey{basque}{datetimesep}{\renewcommand*\DTMbasquedatetimesep}{#1}}

```

```

71 \DTMdefkey{basque}{timezonesep}{\renewcommand*\DTMbasquetimezonesep}{#1}}
72 \DTMdefkey{basque}{datesep}{\renewcommand*\DTMbasquedatesep}{#1}}
73 \DTMdefkey{basque}{timesep}{\renewcommand*\DTMbasquetimesep}{#1}}

```

TODO: provide a boolean key to switch between full and abbreviated formats if appropriate. (I don't know how the date should be abbreviated.)

Define a boolean key that determines if the time zone mappings should be used.

```
74 \DTMdefboolkey{basque}{mapzone}[true]{}

```

The default is to use mappings.

```
75 \DTMsetbool{basque}{mapzone}{true}

```

Define a boolean key that determines if the day of month should be displayed.

```
76 \DTMdefboolkey{basque}{showdayofmonth}[true]{}

```

The default is to show the day of month.

```
77 \DTMsetbool{basque}{showdayofmonth}{true}

```

Define a boolean key that determines if the year should be displayed.

```
78 \DTMdefboolkey{basque}{showyear}[true]{}

```

The default is to show the year.

```
79 \DTMsetbool{basque}{showyear}{true}

```

Define the basque style. (TODO: implement day of week?)

```

80 \DTMnewstyle
81 {basque}% label
82 {% date style
83   \renewcommand*\DTMdisplaydate[4]{%
84     \DTMifbool{basque}{showyear}%
85     {%
86       \number##1 % space intended
87       \DTMbasqueyearmonthsep
88     }%
89     }%
90     \DTMbasquemonthname{##2}%
91     \DTMifbool{basque}{showdayofmonth}
92     {\DTMbasquemonthdaysep\DTMbasqueordinal{##3}}%
93     }%
94   }%
95   \renewcommand*\DTMdisplaydate[4]{%
96     \DTMifbool{basque}{showyear}%
97     {%
98       \number##1 % space intended
99       \DTMbasqueyearmonthsep
100      \DTMbasquemonthname{##2}%
101    }%
102    {%
103      \DTMbasqueMonthname{##2}%
104    }%
105    \DTMifbool{basque}{showdayofmonth}

```

```

106     {\DTMbasquemonthdaysep\DTMbasqueordinal{##3}}%
107     {}%
108   }%
109 }%
110 {% time style (use default)
111   \DTMsettimestyle{default}%
112 }%
113 {% zone style
114   \DTMresetzones
115   \DTMbasquezonemaps
116   \renewcommand*{\DTMdisplayzone}[2]{%
117     \DTMifbool{basque}{mapzone}%
118     {\DTMusezonemapordefault{##1}{##2}}%
119     {%
120       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
121       \ifDTMshowzoneminutes\DTMbasquetimesep\DTMtwodigits{##2}\fi
122     }%
123   }%
124 }%
125 {% full style
126   \renewcommand*{\DTMdisplay}[9]{%
127     \ifDTMshowdate
128       \DTMdisplaydate{##1}{##2}{##3}{##4}%
129       \DTMbasquedatetimesep
130       \fi
131       \DTMdisplaytime{##5}{##6}{##7}%
132       \ifDTMshowzone
133         \DTMbasquetimezonesep
134         \DTMdisplayzone{##8}{##9}%
135       \fi
136     }%
137   \renewcommand*{\DTMDisplay}[9]{%
138     \ifDTMshowdate
139       \DTMDisplaydate{##1}{##2}{##3}{##4}%
140       \DTMbasquedatetimesep
141       \fi
142       \DTMdisplaytime{##5}{##6}{##7}%
143       \ifDTMshowzone
144         \DTMbasquetimezonesep
145         \DTMdisplayzone{##8}{##9}%
146       \fi
147     }%
148 }%

```

Define numeric style.

```

149 \DTMnewstyle
150 {basque-numeric}% label
151 {% date style
152   \renewcommand*{\DTMdisplaydate}[4]{%
153     \DTMifbool{basque}{showdayofmonth}%

```

```

154     {%
155         \number##3 % space intended
156         \DTMbasquedatesep
157     }%
158     {%
159         \number##2 % space intended
160         \DTMifbool{basque}{showyear}%
161     {%
162         \DTMbasquedatesep
163         \number##1 % space intended
164     }%
165     }%
166 }%
167 \renewcommand*\DTMdisplaydate{\DTMdisplaydate}%
168 }%
169 {% time style
170     \renewcommand*\DTMdisplaytime[3]{%
171         \number##1
172         \DTMbasquetimesep\DTMtwdigits{##2}%
173         \ifDTMshowseconds\DTMbasquetimesep\DTMtwdigits{##3}\fi
174     }%
175 }%
176 {% zone style
177     \DTMresetzones
178     \DTMbasquezonemaps
179     \renewcommand*\DTMdisplayzone}[2]{%
180         \DTMifbool{basque}{mapzone}%
181         {\DTMusedzonemapordefault{##1}{##2}}%
182     {%
183         \ifnum##1<0\else+\fi\DTMtwdigits{##1}%
184         \ifDTMshowzoneminutes\DTMbasquetimesep\DTMtwdigits{##2}\fi
185     }%
186 }%
187 }%
188 {% full style
189     \renewcommand*\DTMdisplay}[9]{%
190         \ifDTMshowdate
191             \DTMdisplaydate{##1}{##2}{##3}{##4}%
192             \DTMbasquedatetimesep
193         \fi
194         \DTMdisplaytime{##5}{##6}{##7}%
195         \ifDTMshowzone
196             \DTMbasquetimezonesep
197             \DTMdisplayzone{##8}{##9}%
198         \fi
199     }%
200     \renewcommand*\DTMdisplay{\DTMdisplay}%
201 }

```

`\DTMbasquezonemaps` The time zone mappings are set through this command, which can be redefined if

extra mappings are required or mappings need to be removed. This currently has no mappings.

```
202 \newcommand*{\DTMbasquezonemaps}{%
203 }
```

Switch style according to the `useregional` setting.

```
204 \DTMifcaseregional
205 {}% do nothing
206 {\DTMsetstyle{basque}}
207 {\DTMsetstyle{basque-numeric}}
```

Redefine `\datebasque` (or `\date<dialect>`) to prevent `babel` from resetting `\today`. (For this to work, `babel` must already have been loaded if it's required.)

```
208 \ifcsundef{date\CurrentTrackedDialect}
209 {%
210   \ifundef\datebasque
211   {}% do nothing
212   }%
213   {%
214     \def\datebasque{%
215       \DTMifcaseregional
216       {}% do nothing
217       {\DTMsetstyle{basque}}%
218       {\DTMsetstyle{basque-numeric}}%
219     }%
220   }%
221 }%
222 {%
223   \csdef{date\CurrentTrackedDialect}{%
224     \DTMifcaseregional
225     {}% do nothing
226     {\DTMsetstyle{basque}}%
227     {\DTMsetstyle{basque-numeric}}
228   }%
229 }%
```

Change History

1.0	
General: Initial release	1

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