# Dutch 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 maintanance, contact me at [http://www.dickimaw-books.com/contact.html](http://www.dickimaw-books.com/contact.html)

**Abstract**

This is the Dutch 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-dutch's \today.

I don't know if these settings are correct. In particular, I don't know if the dutch time style is correct. Currently this just uses the default time style. Please be aware that this may change. Whoever takes over maintanance of this module may can 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-dutch.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 Dutch Module (datetime2-dutch.ldf)

Identify Module

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

**\DTMdutchordinal**    I don't know if this is correct, but it's provided in case a suffix is required.

```
2 \newcommand*{\DTMdutchordinal}[1]{%
3   \number#1 % space intended
4 }
```

**\DTMdutchmonthname**    Dutch month names.

```
5 \newcommand*{\DTMdutchmonthname}[1]{%
6   \ifcase#1
7   \or
8   januari%
9   \or
10  februari%
11  \or
12  maart%
13  \or
14  april%
15  \or
16  mei%
17  \or
18  juni%
19  \or
20  juli%
21  \or
22  augustus%
23  \or
24  september%
25  \or
26  oktober%
27  \or
28  november%
29  \or
30  december%
31  \fi
32 }
```

**\DTMdutchMonthname**    As above but start with a capital.

```
33 \newcommand*{\DTMdutchMonthname}[1]{%
34  \ifcase#1
35  \or
36  Januari%
37  \or
38  Februari%
39  \or
40  Maart%
41  \or
42  April%
43  \or
44  Mei%
45  \or
```

```
46    Juni%
47    \or
48    Juli%
49    \or
50    Augustus%
51    \or
52    September%
53    \or
54    Oktober%
55    \or
56    November%
57    \or
58    December%
59    \fi
60 }
```

Week day names are provided but currently not used in the date style.

\DTMdutchweekdayname Dutch day of week names.

```
61 \newcommand*{\DTMdutchweekdayname}[1]{%
62    \ifcase#1
63    maandag%
64    \or
65    dinsdag%
66    \or
67    woensdag%
68    \or
69    donderdag%
70    \or
71    vrijdag%
72    \or
73    zaterdag%
74    \or
75    zondag%
76    \fi
77 }
```

\DTMdutchWeekdayname As above but start with a capital.

```
78 \newcommand*{\DTMdutchWeekdayname}[1]{%
79    \ifcase#1
80    Maandag%
81    \or
82    Dinsdag%
83    \or
84    Woensdag%
85    \or
86    Donderdag%
87    \or
88    Vrijdag%
89    \or
```

```
90   Zaterdag%
91   \or
92   Zondag%
93   \fi
94 }
```

**\DTMdutchshortweekdayname**  Abbreviated day of week names.

```
95 \newcommand*{\DTMdutchshortweekdayname}[1]{%
96   \ifcase#1
97   ma%
98   \or
99   di%
100   \or
101   wo%
102   \or
103   do%
104   \or
105   vr%
106   \or
107   za%
108   \or
109   zo%
110   \fi
111 }
```

**\DTMdutchshortWeekdayname**  As above but start with a capital.

```
112 \newcommand*{\DTMdutchshortWeekdayname}[1]{%
113   \ifcase#1
114   Ma%
115   \or
116   Di%
117   \or
118   Wo%
119   \or
120   Do%
121   \or
122   Vr%
123   \or
124   Za%
125   \or
126   Zo%
127   \fi
128 }
```

Define the `dutch` 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 `dutch` and `dutch-numeric` styles. This doesn't use the package wide separators such as `\dtm@datetimesep` in case other date formats are also required.

| | |
|---|---|
| \DTMdutchdaymonthsep | The separator between the day and month for the text format. |

```
129 \newcommand*{\DTMdutchdaymonthsep}{%
130  \DTMtexorpdfstring{\protect~}{\space}}
```

| | |
|---|---|
| \DTMdutchmonthyearsep | The separator between the month and year for the text format. |

```
131 \newcommand*{\DTMdutchmonthyearsep}{\space}
```

| | |
|---|---|
| \DTMdutchdatetimesep | The separator between the date and time blocks in the full format (either text or numeric). |

```
132 \newcommand*{\DTMdutchdatetimesep}{\space}
```

| | |
|---|---|
| \DTMdutchtimezonesep | The separator between the time and zone blocks in the full format (either text or numeric). |

```
133 \newcommand*{\DTMdutchtimezonesep}{\space}
```

| | |
|---|---|
| \DTMdutchdatesep | The separator for the numeric date format. |

```
134 \newcommand*{\DTMdutchdatesep}{-}
```

| | |
|---|---|
| \DTMdutchtimesep | The separator for the numeric time format. |

```
135 \newcommand*{\DTMdutchtimesep}{:}
```

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

```
136 \DTMdefkey{dutch}{daymonthsep}{\renewcommand*{\DTMdutchdaymonthsep}{#1}}
137 \DTMdefkey{dutch}{monthyearsep}{\renewcommand*{\DTMdutchmonthyearsep}{#1}}
138 \DTMdefkey{dutch}{datetimesep}{\renewcommand*{\DTMdutchdatetimesep}{#1}}
139 \DTMdefkey{dutch}{timezonesep}{\renewcommand*{\DTMdutchtimezonesep}{#1}}
140 \DTMdefkey{dutch}{datesep}{\renewcommand*{\DTMdutchdatesep}{#1}}
141 \DTMdefkey{dutch}{timesep}{\renewcommand*{\DTMdutchtimesep}{#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.

```
142 \DTMdefboolkey{dutch}{mapzone}[true]{}
```

The default is to use mappings.

```
143 \DTMsetbool{dutch}{mapzone}{true}
```

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

```
144 \DTMdefboolkey{dutch}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
145 \DTMsetbool{dutch}{showdayofmonth}{true}
```

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

```
146 \DTMdefboolkey{dutch}{showyear}[true]{}
```

The default is to show the year.

```
147 \DTMsetbool{dutch}{showyear}{true}
```

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

```
148 \DTMnewstyle
149 {dutch}% label
150 {% date style
151   \renewcommand*\DTMdisplaydate[4]{%
152     \DTMifbool{dutch}{showdayofmonth}
153     {\DTMdutchordinal{##3}\DTMdutchdaymonthsep}%
154     {}%
155     \DTMdutchmonthname{##2}%
156     \DTMifbool{dutch}{showyear}%
157     {%
158       \DTMdutchmonthyearsep
159       \number##1 % space intended
160     }%
161     {}%
162   }%
163   \renewcommand*\DTMDisplaydate[4]{%
164     \DTMifbool{dutch}{showdayofmonth}
165     {%
166       \DTMdutchordinal{##3}\DTMdutchdaymonthsep
167       \DTMdutchmonthname{##2}%
168     }%
169     {%
170        \DTMdutchMonthname{##2}%
171     }%
172     \DTMifbool{dutch}{showyear}%
173     {%
174       \DTMdutchmonthyearsep
175       \number##1 % space intended
176     }%
177     {}%
178   }%
179 }%
180 {% time style (use default)
181   \DTMsettimestyle{default}%
182 }%
183 {% zone style
184   \DTMresetzones
185   \DTMdutchzonemaps
186   \renewcommand*{\DTMdisplayzone}[2]{%
187     \DTMifbool{dutch}{mapzone}%
188     {\DTMusezonemapordefault{##1}{##2}}%
189     {%
190       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
191       \ifDTMshowzoneminutes\DTMdutchtimesep\DTMtwodigits{##2}\fi
192     }%
193   }%
194 }%
195 {% full style
```

```
196    \renewcommand*{\DTMdisplay}[9]{%
197      \ifDTMshowdate
198        \DTMdisplaydate{##1}{##2}{##3}{##4}%
199        \DTMdutchdatetimesep
200      \fi
201      \DTMdisplaytime{##5}{##6}{##7}%
202      \ifDTMshowzone
203        \DTMdutchtimezonesep
204        \DTMdisplayzone{##8}{##9}%
205      \fi
206    }%
207    \renewcommand*{\DTMDisplay}[9]{%
208      \ifDTMshowdate
209        \DTMDisplaydate{##1}{##2}{##3}{##4}%
210        \DTMdutchdatetimesep
211      \fi
212      \DTMdisplaytime{##5}{##6}{##7}%
213      \ifDTMshowzone
214        \DTMdutchtimezonesep
215        \DTMdisplayzone{##8}{##9}%
216      \fi
217    }%
218  }%
```

Define numeric style.

```
219 \DTMnewstyle
220  {dutch-numeric}% label
221  {% date style
222      \renewcommand*\DTMdisplaydate[4]{%
223        \DTMifbool{dutch}{showdayofmonth}%
224        {%
225          \number##3 % space intended
226          \DTMdutchdatesep
227        }%
228        {}%
229        \number##2 % space intended
230        \DTMifbool{dutch}{showyear}%
231        {%
232          \DTMdutchdatesep
233          \number##1 % space intended
234        }%
235        {}%
236      }%
237      \renewcommand*{\DTMDisplaydate}{\DTMdisplaydate}%
238  }%
239  {% time style
240      \renewcommand*\DTMdisplaytime[3]{%
241        \number##1
242        \DTMdutchtimesep\DTMtwodigits{##2}%
243        \ifDTMshowseconds\DTMdutchtimesep\DTMtwodigits{##3}\fi
```

7

```
244      }%
245    }%
246    {% zone style
247      \DTMresetzones
248      \DTMdutchzonemaps
249      \renewcommand*{\DTMdisplayzone}[2]{%
250        \DTMifbool{dutch}{mapzone}%
251        {\DTMusezonemapordefault{##1}{##2}}%
252        {%
253          \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
254          \ifDTMshowzoneminutes\DTMdutchtimesep\DTMtwodigits{##2}\fi
255        }%
256      }%
257    }%
258    {% full style
259      \renewcommand*{\DTMdisplay}[9]{%
260        \ifDTMshowdate
261        \DTMdisplaydate{##1}{##2}{##3}{##4}%
262        \DTMdutchdatetimesep
263        \fi
264        \DTMdisplaytime{##5}{##6}{##7}%
265        \ifDTMshowzone
266        \DTMdutchtimezonesep
267        \DTMdisplayzone{##8}{##9}%
268        \fi
269      }%
270      \renewcommand*{\DTMDisplay}{\DTMdisplay}%
271    }
```

\DTMdutchzonemaps    The time zone mappings are set through this command, which can be redefined if extra mappings are required or mappings need to be removed.

```
272 \newcommand*{\DTMdutchzonemaps}{%
273   \DTMdefzonemap{01}{00}{CET}%
274   \DTMdefzonemap{02}{00}{CEST}%
275 }
```

Switch style according to the useregional setting.

```
276 \DTMifcaseregional
277 {}% do nothing
278 {\DTMsetstyle{dutch}}
279 {\DTMsetstyle{dutch-numeric}}
```

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

```
280 \ifcsundef{date\CurrentTrackedDialect}
281 {%
282   \ifundef\datedutch
283   {% do nothing
284   }%
285   {%
```

```
286    \def\datedutch{%
287       \DTMifcaseregional
288       {}% do nothing
289       {\DTMsetstyle{dutch}}%
290       {\DTMsetstyle{dutch-numeric}}%
291    }%
292  }%
293 }%
294 {%
295  \csdef{date\CurrentTrackedDialect}{%
296     \DTMifcaseregional
297     {}% do nothing
298     {\DTMsetstyle{dutch}}%
299     {\DTMsetstyle{dutch-numeric}}
300  }%
301 }%
```

# Change History

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