

# 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 maintenance, contact me at <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 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-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}[2018/04/06 v1.1]
```

`\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     {\DTMusedzonemapordefault{##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

```

```

244 }%
245 }%
246 {% zone style
247 \DTMresetzones
248 \DTMdutchzonemaps
249 \renewcommand*{\DTMdisplayzone}[2]{%
250 \DTMifbool{dutch}{mapzone}%
251 {\DTMusedzonemapordefault{##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

1.0		1.1	
General: Initial release . . . . .	1	General: removed spurious space . .	8

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