

# Slovene 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 Slovene 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-slovene's \today`.

I don't know if these settings are correct as I can't speak Slovene. In particular, I don't know if the `slovene` 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-slovene.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

### 1.1 UTF-8

This file contains the settings that use UTF-8 characters. This file is loaded if XeLaTeX or LuaLaTeX are used. Please make sure your text editor is set to UTF-8 if you want to view this code.

(This file doesn't actually contain non-ASCII characters at present, but is provided in case week day names or archaic month names are added, which may contain non-ASCII characters.) Identify module

```
1\ProvidesDateTimeModule{slovene-utf8}[2019/10/04 v1.1]
```

`\DTMsloveneordinal`

```
2 \newcommand*{\DTMsloveneordinal}[1]{%  
3   \number#1.%  
4 }
```

`\DTMslovenemonthname` Slovene month names.

```
5 \newcommand*{\DTMslovenemonthname}[1]{%  
6   \ifcase#1  
7   \or  
8   januar%  
9   \or  
10  februar%  
11  \or  
12  marec%  
13  \or  
14  april%  
15  \or  
16  maj%  
17  \or  
18  junij%  
19  \or  
20  julij%  
21  \or  
22  avgust%  
23  \or  
24  september%  
25  \or  
26  oktober%  
27  \or  
28  november%  
29  \or  
30  december%  
31  \fi  
32 }
```

`\DTMsloveneMonthname` As above but capitalize.

```
33 \newcommand*{\DTMsloveneMonthname}[1]{%  
34   \ifcase#1  
35   \or  
36   Januar%  
37   \or  
38   Februar%  
39   \or  
40   Marec%  
41   \or  
42   April%  
43   \or  
44   Maj%  
45   \or
```

```

46 Junij%
47 \or
48 Julij%
49 \or
50 Avgust%
51 \or
52 September%
53 \or
54 Oktober%
55 \or
56 November%
57 \or
58 December%
59 \fi
60 }

```

If abbreviated dates are supported, short month names should be likewise provided.

## 1.2 ASCII

This file contains the settings that use  $\LaTeX$  commands for non-ASCII characters. This should be input if neither XeLaTeX nor LuaLaTeX are used. Even if the user has loaded inputenc with utf8, this file should still be used not the `datetime2-slovene-utf8. ldf` file as the non-ASCII characters are made active in that situation and would need protecting against expansion. Identify module

```
61 \ProvidesDateTimeModule{slovene-ascii}[2019/10/04 v1.1]
```

If abbreviated dates are supported, short month names should be likewise provided.

`\DTMsloveneordinal`

```

62 \newcommand*{\DTMsloveneordinal}[1]{%
63   \number#1.%
64 }

```

`\DTMslovenemonthname` Slovene month names.

```

65 \newcommand*{\DTMslovenemonthname}[1]{%
66   \ifcase#1
67   \or
68   januar%
69   \or
70   februar%
71   \or
72   marec%
73   \or
74   april%
75   \or
76   maj%
77   \or
78   junij%

```

```

79 \or
80 julij%
81 \or
82 avgust%
83 \or
84 september%
85 \or
86 oktober%
87 \or
88 november%
89 \or
90 december%
91 \fi
92 }

```

`\DTMsLoveneMonthname` As above but capitalize.

```

93 \newcommand*{\DTMsLoveneMonthname}[1]{%
94 \ifcase#1
95 \or
96 Januar%
97 \or
98 Februar%
99 \or
100 Marec%
101 \or
102 April%
103 \or
104 Maj%
105 \or
106 Junij%
107 \or
108 Julij%
109 \or
110 Avgust%
111 \or
112 September%
113 \or
114 Oktober%
115 \or
116 November%
117 \or
118 December%
119 \fi
120 }

```

### 1.3 Main Slovene Module (`datetime2-slovene.1df`)

Identify Module

```
121 \ProvidesDateTimeModule{slovene}[2019/10/04 v1.1]
```

Need to find out if XeTeX or LuaTeX are being used.

```
122 \RequirePackage{ifxetex,ifluatex}
```

XeTeX and LuaTeX natively support UTF-8, so load `slovene-utf8` if either of those engines are used otherwise load `slovene-ascii`.

```
123 \ifxetex
```

```
124 \RequireDateTimeModule{slovene-utf8}
```

```
125 \else
```

```
126 \ifluatex
```

```
127 \RequireDateTimeModule{slovene-utf8}
```

```
128 \else
```

```
129 \RequireDateTimeModule{slovene-ascii}
```

```
130 \fi
```

```
131 \fi
```

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

`\DTMslovenedaymonthsep` The separator between the day and month for the text format.

```
132 \newcommand*{\DTMslovenedaymonthsep}{%
```

```
133 \DTMtexorpdfstring{\protect~}{\space}}
```

`\DTMslovenemonthyearsep` The separator between the month and year for the text format.

```
134 \newcommand*{\DTMslovenemonthyearsep}{\space}
```

`\DTMslovenedatetimesep` The separator between the date and time blocks in the full format (either text or numeric).

```
135 \newcommand*{\DTMslovenedatetimesep}{\space}
```

`\DTMslovenetimezonesep` The separator between the time and zone blocks in the full format (either text or numeric).

```
136 \newcommand*{\DTMslovenetimezonesep}{\space}
```

`\DTMslovenedatesep` The separator for the numeric date format.

```
137 \newcommand*{\DTMslovenedatesep}{.}
```

`\DTMslovenetimesep` The separator for the numeric time format.

```
138 \newcommand*{\DTMslovenetimesep}{:}
```

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

```
139 \DTMdefkey{slovene}{daymonthsep}{\renewcommand*{\DTMslovenedaymonthsep}{#1}}
```

```
140 \DTMdefkey{slovene}{monthyearsep}{\renewcommand*{\DTMslovenemonthyearsep}{#1}}
```

```
141 \DTMdefkey{slovene}{datetimesep}{\renewcommand*{\DTMslovenedatetimesep}{#1}}
```

```
142 \DTMdefkey{slovene}{timezonesep}{\renewcommand*{\DTMslovenetimezonesep}{#1}}
```

```
143 \DTMdefkey{slovene}{datesep}{\renewcommand*{\DTMslovenedatesep}{#1}}
```

```
144 \DTMdefkey{slovene}{timesep}{\renewcommand*{\DTMslovenetimesep}{#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.

```
145 \DTMdefboolkey{slovene}{mapzone}[true]{}
```

The default is to use mappings.

```
146 \DTMsetbool{slovene}{mapzone}{true}
```

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

```
147 \DTMdefboolkey{slovene}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
148 \DTMsetbool{slovene}{showdayofmonth}{true}
```

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

```
149 \DTMdefboolkey{slovene}{showyear}[true]{}
```

The default is to show the year.

```
150 \DTMsetbool{slovene}{showyear}{true}
```

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

```
151 \DTMnewstyle
```

```
152 {slovene}% label
```

```
153 {% date style
```

```
154   \renewcommand*\DTMdisplaydate[4]{%
```

```
155     \DTMifbool{slovene}{showdayofmonth}
```

```
156     {%
```

```
157       \DTMsloveneordinal{##3}%
```

```
158       \DTMslovenedaymonthsep
```

```
159     }%
```

```
160   }%
```

```
161   \DTMslovenemonthname{##2}%
```

```
162   \DTMifbool{slovene}{showyear}%
```

```
163   {%
```

```
164     \DTMslovenemonthyearsep
```

```
165     \number##1 % space intended
```

```
166   }%
```

```
167   }%
```

```
168 }%
```

```
169 \renewcommand*\DTMdisplaydate[4]{%
```

```
170   \DTMifbool{slovene}{showdayofmonth}
```

```
171   {%
```

```
172     \DTMsloveneordinal{##3}%
```

```
173     \DTMslovenedaymonthsep
```

```
174     \DTMslovenemonthname{##2}%
```

```
175   }%
```

```
176   }%
```

```
177   \DTMsloveneMonthname{##2}%
```

```
178   }%
```

```
179   \DTMifbool{slovene}{showyear}%
```

```
180   {%
```

```
181     \DTMslovenemonthyearsep
```

```

182     \number##1 % space intended
183   }%
184   {}%
185 }%
186 }%
187 {% time style (use default)
188   \DTMsettimestyle{default}%
189 }%
190 {% zone style
191   \DTMresetzones
192   \DTMslovenezonemaps
193   \renewcommand*{\DTMdisplayzone}[2]{%
194     \DTMifbool{slovene}{mapzone}%
195     {\DTMusezonemapordefault{##1}{##2}}%
196     {%
197       \ifnum##1<0 \else+\fi\DTMtwodigits{##1}%
198       \ifDTMshowzoneminutes\DTMslovenetimesep\DTMtwodigits{##2}\fi
199     }%
200   }%
201 }%
202 {% full style
203   \renewcommand*{\DTMdisplay}[9]{%
204     \ifDTMshowdate
205       \DTMdisplaydate{##1}{##2}{##3}{##4}%
206       \DTMslovenedatetimesep
207       \fi
208       \DTMdisplaytime{##5}{##6}{##7}%
209       \ifDTMshowzone
210         \DTMslovenetimezonesep
211         \DTMdisplayzone{##8}{##9}%
212       \fi
213     }%
214   \renewcommand*{\DTMDisplay}[9]{%
215     \ifDTMshowdate
216       \DTMDisplaydate{##1}{##2}{##3}{##4}%
217       \DTMslovenedatetimesep
218       \fi
219       \DTMdisplaytime{##5}{##6}{##7}%
220       \ifDTMshowzone
221         \DTMslovenetimezonesep
222         \DTMdisplayzone{##8}{##9}%
223       \fi
224     }%
225 }%
    Define numeric style.
226 \DTMnewstyle
227 {slovene-numeric}% label
228 {% date style
229   \renewcommand*{\DTMdisplaydate}[4]{%

```

```

230     \DTMifbool{slovene}{showdayofmonth}%
231     {%
232     \number##3 % space intended
233     \DTMslovenedatesep
234     }%
235     {%
236     \number##2 % space intended
237     \DTMifbool{slovene}{showyear}%
238     {%
239     \DTMslovenedatesep
240     \number##1 % space intended
241     }%
242     {%
243     }%
244     \renewcommand*\DTMdisplaydate{\DTMdisplaydate}%
245 }%
246 {% time style
247 \renewcommand*\DTMdisplaytime[3]{%
248 \number##1 % space intended
249 \DTMslovenetimesep\DTMtwodigits{##2}%
250 \ifDTMshowseconds\DTMslovenetimesep\DTMtwodigits{##3}\fi
251 }%
252 }%
253 {% zone style
254 \DTMresetzones
255 \DTMslovenezonemaps
256 \renewcommand*\DTMdisplayzone[2]{%
257 \DTMifbool{slovene}{mapzone}%
258 {\DTMusedzonemapordefault{##1}{##2}}%
259 {%
260 \ifnum##1<0 \else+\fi\DTMtwodigits{##1}%
261 \ifDTMshowzoneminutes\DTMslovenetimesep\DTMtwodigits{##2}\fi
262 }%
263 }%
264 }%
265 {% full style
266 \renewcommand*\DTMdisplay[9]{%
267 \ifDTMshowdate
268 \DTMdisplaydate{##1}{##2}{##3}{##4}%
269 \DTMslovenedatetimesep
270 \fi
271 \DTMdisplaytime{##5}{##6}{##7}%
272 \ifDTMshowzone
273 \DTMslovenetimezonesep
274 \DTMdisplayzone{##8}{##9}%
275 \fi
276 }%
277 \renewcommand*\DTMdisplay{\DTMdisplay}%
278 }

```



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

```
279 \newcommand*{\DTMslovenezonemaps}{%
280   \DTMdefzonemap{01}{00}{CET}%
281   \DTMdefzonemap{02}{00}{CEST}%
282 }
```

Switch style according to the `userregional` setting.

```
283 \DTMifcaseregional
284 {}% do nothing
285 {\DTMsetstyle{slovene}}%
286 {\DTMsetstyle{slovene-numeric}}
```

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

```
287 \ifcsundef{date\CurrentTrackedDialect}
288 {%
289   \ifundef\dateslovene
290     {% do nothing
291     }%
292     {%
293       \def\dateslovene{%
294         \DTMifcaseregional
295         {}% do nothing
296         {\DTMsetstyle{slovene}}%
297         {\DTMsetstyle{slovene-numeric}}%
298       }%
299     }%
300 }%
301 {%
302   \csdef{date\CurrentTrackedDialect}{%
303     \DTMifcaseregional
304     {}% do nothing
305     {\DTMsetstyle{slovene}}%
306     {\DTMsetstyle{slovene-numeric}}%
307   }%
308 }%
```

## Change History

1.0		1.1	
General: Initial release	1, 3, 4	General: removed spurious space	9

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