

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 user regional 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 user regional 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-utf8.1df` 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}
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}%
153   {%
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      {%
188      \DTMsettimestyle{default}%
189      }%
190      {%
191      \DTMresetzones
192      \DTMslovenezonemaps
193      \renewcommand*{\DTMdisplayzone}[2]{%
194      \DTMifbool{slovene}{mapzone}{%
195      {\DTMusezonemapordefault{##1}{##2}}{%
196      {%
197      \ifnum##1<0 \else+\fi\DTMtowodigits{##1}{%
198      \ifDTMshowzoneminutes\DTMslovenetimesep\DTMtowodigits{##2}\fi
199      }%
200      }%
201      }%
202      {%
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      }%
226 Define numeric style.
227 \DTMnewstyle
228 {slovene-numeric}%
229 {%
230 \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 {%
247   % time style
248   \renewcommand*\DTMdisplaytime[3]{%
249     \number##1 % space intended
250     \DTMslovenetimesep\DTMtwdigits{##2}%
251     \ifDTMshowseconds\DTMslovenetimesep\DTMtwdigits{##3}\fi
252   }%
253 }%
254 {%
255   % zone style
256   \DTMresetzones
257   \DTMslovenezonemaps
258   \renewcommand*\DTMdisplayzone[2]{%
259     \DTMifbool{slovene}{mapzone}%
260     {\DTMusezonemapordefault{##1}{##2}}%
261     \ifnum##1<0 \else+\fi\DTMtwdigits{##1}%
262     \ifDTMshowzoneminutes\DTMslovenetimesep\DTMtwdigits{##2}\fi
263   }%
264 }%
265 {%
266   % full style
267   \renewcommand*\DTMdisplay[9]{%
268     \ifDTMshowdate
269       \DTMdisplaydate{##1}{##2}{##3}{##4}%
270       \DTMslovenedatetimesep
271     \fi
272     \DTMdisplaytime{##5}{##6}{##7}%
273     \ifDTMshowzone
274       \DTMslovenetimezonesep
275       \DTMdisplayzone{##8}{##9}%
276     \fi
277   }%
278   \renewcommand*\DTMDisplay{\DTMdisplay}%
}

```

\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 `useregional` 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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