Bulgarian Module for datetime2 Package

Nicola L. C. Talbot (inactive)

2015-03-29 (v1.0)

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

Abstract

This is the Bulgarian 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-bulgarian's \today.

I don't know if these settings are correct as I can't speak Bulgarian. In particular, I don't know if the bulgarian 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-bulgarian.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. Identify module

```
1 \ProvidesDateTimeModule{bulgarian-utf8}[2015/03/29 v1.0]
```

\DTMbulgarianordinal

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

\DTMbulgarianyear

```
5 \newcommand*{\DTMbulgarianyear}[1]{%
6   \number#1
7   \DTMtexorpdfstring{\protect~}{\space}г.%
8 }
```

\DTMbulgarianmonthname   Bulgarian month names.

```
9 \newcommand*{\DTMbulgarianmonthname}[1]{%
10   \ifcase#1
11   \or
12   януари%
13   \or
14   февруари%
15   \or
16   март%
17   \or
18   април%
19   \or
20   май%
21   \or
22   юни%
23   \or
24   юли%
25   \or
26   август%
27   \or
28   септември%
29   \or
30   октомври%
31   \or
32   ноември%
33   \or
34   декември%
35   \fi
36 }
```

\DTMbulgarianMonthname   As above but capitalize.

```
37 \newcommand*{\DTMbulgarianMonthname}[1]{%
38   \ifcase#1
39   \or
40   Януари%
41   \or
42   Февруари%
43   \or
```

```
44    Март%
45    \or
46    Април%
47    \or
48    Май%
49    \or
50    Юни%
51    \or
52    Юли%
53    \or
54    Август%
55    \or
56    Септември%
57    \or
58    Октомври%
59    \or
60    Ноември%
61    \or
62    Декември%
63    \fi
64 }
```

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-bulgarian-utf8.ldf` file as the non-ASCII characters are made active in that situation and would need protecting against expansion. Identify module

```
65 \ProvidesDateTimeModule{bulgarian-ascii}[2015/03/29 v1.0]
```

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

\DTMbulgarianordinal

```
66 \newcommand*{\DTMbulgarianordinal}[1]{%
67    \number#1
68 }
```

\DTMbulgarianyear

```
69 \newcommand*{\DTMbulgarianyear}[1]{%
70    \number#1
71    \DTMtexorpdfstring{\protect~}{\space}\protect\cyrg.%
72 }
```

\DTMbulgarianmonthname   Bulgarian month names.

```
73 \newcommand*{\DTMbulgarianmonthname}[1]{%
74   \ifcase#1
75   \or
76   \protect\cyrya\protect\cyrn\protect\cyru\protect\cyra\protect\cyrr
77     \protect\cyri
78   \or
79   \protect\cyrf\protect\cyre\protect\cyrv\protect\cyrr\protect\cyru
80     \protect\cyra\protect\cyrr\protect\cyri
81   \or
82   \protect\cyrm\protect\cyra\protect\cyrr\protect\cyrt
83   \or
84   \protect\cyra\protect\cyrp\protect\cyrr\protect\cyri\protect\cyrl
85   \or
86   \protect\cyrm\protect\cyra\protect\cyrishrt
87   \or
88   \protect\cyryu\protect\cyrn\protect\cyri
89   \or
90   \protect\cyryu\protect\cyrl\protect\cyri
91   \or
92   \protect\cyra\protect\cyrv\protect\cyrg\protect\cyru\protect\cyrs
93     \protect\cyrt
94   \or
95   \protect\cyrs\protect\cyre\protect\cyrp\protect\cyrt\protect\cyre
96     \protect\cyrm\protect\cyrv\protect\cyrr\protect\cyri
97   \or
98   \protect\cyro\protect\cyrk\protect\cyrt\protect\cyro\protect\cyrm
99     \protect\cyrv\protect\cyrr\protect\cyri
100  \or
101  \protect\cyrn\protect\cyro\protect\cyre\protect\cyrm\protect\cyrv
102    \protect\cyrr\protect\cyri
103  \or
104  \protect\cyrd\protect\cyre\protect\cyrk\protect\cyre\protect\cyrm
105    \protect\cyrv\protect\cyrr\protect\cyri
106  \fi
107 }
```

\DTMbulgarianMonthname   As above but start with a capital.

```
108 \newcommand*{\DTMbulgarianMonthname}[1]{%
109   \ifcase#1
110   \or
111   \protect\CYRYA\protect\cyrn\protect\cyru\protect\cyra\protect\cyrr
112     \protect\cyri
113   \or
114   \protect\CYRF\protect\cyre\protect\cyrv\protect\cyrr\protect\cyru
115     \protect\cyra\protect\cyrr\protect\cyri
116   \or
117   \protect\CYRM\protect\cyra\protect\cyrr\protect\cyrt
118   \or
119   \protect\CYRA\protect\cyrp\protect\cyrr\protect\cyri\protect\cyrl
120   \or
```

```
121  \protect\CYRM\protect\cyra\protect\cyrishrt
122  \or
123  \protect\CYRYU\protect\cyrn\protect\cyri
124  \or
125  \protect\CYRYU\protect\cyrl\protect\cyri
126  \or
127  \protect\CYRA\protect\cyrv\protect\cyrg\protect\cyru\protect\cyrs
128    \protect\cyrt
129  \or
130  \protect\CYRS\protect\cyre\protect\cyrp\protect\cyrt\protect\cyre
131    \protect\cyrm\protect\cyrv\protect\cyrr\protect\cyri
132  \or
133  \protect\CYRO\protect\cyrk\protect\cyrt\protect\cyro\protect\cyrm
134    \protect\cyrv\protect\cyrr\protect\cyri
135  \or
136  \protect\CYRN\protect\cyro\protect\cyre\protect\cyrm\protect\cyrv
137    \protect\cyrr\protect\cyri
138  \or
139  \protect\CYRD\protect\cyre\protect\cyrk\protect\cyre\protect\cyrm
140    \protect\cyrv\protect\cyrr\protect\cyri
141  \fi
142 }
```

1.3 Main Bulgarian Module (`datetime2-bulgarian.ldf`)

Identify Module

```
143 \ProvidesDateTimeModule{bulgarian}[2015/03/29 v1.0]
```

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

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

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

```
145 \ifxetex
146  \RequireDateTimeModule{bulgarian-utf8}
147 \else
148  \ifluatex
149    \RequireDateTimeModule{bulgarian-utf8}
150  \else
151    \RequireDateTimeModule{bulgarian-ascii}
152  \fi
153 \fi
```

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

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

154 `\newcommand*{\DTMbulgariandaymonthsep}{\space}`

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

155 `\newcommand*{\DTMbulgarianmonthyearsep}{\space}`

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

156 `\newcommand*{\DTMbulgariandatetimesep}{\space}`

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

157 `\newcommand*{\DTMbulgariantimezonesep}{\space}`

\DTMbulgariandatesep	The separator for the numeric date format.

158 `\newcommand*{\DTMbulgariandatesep}{.}`

\DTMbulgariantimesep	The separator for the numeric time format.

159 `\newcommand*{\DTMbulgariantimesep}{:}`

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

160 `\DTMdefkey{bulgarian}{daymonthsep}{\renewcommand*{\DTMbulgariandaymonthsep}{#1}}`
161 `\DTMdefkey{bulgarian}{monthyearsep}{\renewcommand*{\DTMbulgarianmonthyearsep}{#1}}`
162 `\DTMdefkey{bulgarian}{datetimesep}{\renewcommand*{\DTMbulgariandatetimesep}{#1}}`
163 `\DTMdefkey{bulgarian}{timezonesep}{\renewcommand*{\DTMbulgariantimezonesep}{#1}}`
164 `\DTMdefkey{bulgarian}{datesep}{\renewcommand*{\DTMbulgariandatesep}{#1}}`
165 `\DTMdefkey{bulgarian}{timesep}{\renewcommand*{\DTMbulgariantimesep}{#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.

166 `\DTMdefboolkey{bulgarian}{mapzone}[true]{}`

The default is to use mappings.

167 `\DTMsetbool{bulgarian}{mapzone}{true}`

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

168 `\DTMdefboolkey{bulgarian}{showdayofmonth}[true]{}`

The default is to show the day of month.

169 `\DTMsetbool{bulgarian}{showdayofmonth}{true}`

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

170 `\DTMdefboolkey{bulgarian}{showyear}[true]{}`

The default is to show the year.

171 `\DTMsetbool{bulgarian}{showyear}{true}`

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

```
172 \DTMnewstyle
173 {bulgarian}% label
174 {% date style
175   \renewcommand*\DTMdisplaydate[4]{%
176     \DTMifbool{bulgarian}{showdayofmonth}
177     {\DTMbulgarianordinal{##3}\DTMbulgariandaymonthsep}%
178     {}%
179     \DTMbulgarianmonthname{##2}%
180     \DTMifbool{bulgarian}{showyear}%
181     {%
182       \DTMbulgarianmonthyearsep
183       \DTMbulgarianyear{##1}%
184     }%
185     {}%
186   }%
187   \renewcommand*\DTMDisplaydate[4]{%
188     \DTMifbool{bulgarian}{showdayofmonth}
189     {%
190       \DTMbulgarianordinal{##3}\DTMbulgariandaymonthsep
191       \DTMbulgarianmonthname{##2}%
192     }%
193     {%
194       \DTMbulgarianMonthname{##2}%
195     }%
196     \DTMifbool{bulgarian}{showyear}%
197     {%
198       \DTMbulgarianmonthyearsep
199       \DTMbulgarianyear{##1}%
200     }%
201     {}%
202   }%
203 }%
204 {% time style (use default)
205   \DTMsettimestyle{default}%
206 }%
207 {% zone style
208   \DTMresetzones
209   \DTMbulgarianzonemaps
210   \renewcommand*{\DTMdisplayzone}[2]{%
211     \DTMifbool{bulgarian}{mapzone}%
212     {\DTMusezonemapordefault{##1}{##2}}%
213     {%
214       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
215       \ifDTMshowzoneminutes\DTMbulgariantimesep\DTMtwodigits{##2}\fi
216     }%
217   }%
218 }%
219 {% full style
```

7

```
220    \renewcommand*{\DTMdisplay}[9]{%
221      \ifDTMshowdate
222        \DTMdisplaydate{##1}{##2}{##3}{##4}%
223        \DTMbulgariandatetimesep
224      \fi
225      \DTMdisplaytime{##5}{##6}{##7}%
226      \ifDTMshowzone
227        \DTMbulgariantimezonesep
228        \DTMdisplayzone{##8}{##9}%
229      \fi
230    }%
231    \renewcommand*{\DTMDisplay}[9]{%
232      \ifDTMshowdate
233        \DTMDisplaydate{##1}{##2}{##3}{##4}%
234        \DTMbulgariandatetimesep
235      \fi
236      \DTMdisplaytime{##5}{##6}{##7}%
237      \ifDTMshowzone
238        \DTMbulgariantimezonesep
239        \DTMdisplayzone{##8}{##9}%
240      \fi
241    }%
242  }%
```

Define numeric style.

```
243 \DTMnewstyle
244  {bulgarian-numeric}% label
245  {% date style
246    \renewcommand*\DTMdisplaydate[4]{%
247      \DTMifbool{bulgarian}{showdayofmonth}%
248      {%
249        \number##3 % space intended
250        \DTMbulgariandatesep
251      }%
252      {}%
253      \number##2 % space intended
254      \DTMifbool{bulgarian}{showyear}%
255      {%
256        \DTMbulgariandatesep
257        \number##1 % space intended
258      }%
259      {}%
260    }%
261    \renewcommand*{\DTMDisplaydate}[4]{\DTMdisplaydate{##1}{##2}{##3}{##4}}%
262  }%
263  {% time style
264    \renewcommand*\DTMdisplaytime[3]{%
265      \number##1
266      \DTMbulgariantimesep\DTMtwodigits{##2}%
267      \ifDTMshowseconds\DTMbulgariantimesep\DTMtwodigits{##3}\fi
```

```
268       }%
269   }%
270   {% zone style
271     \DTMresetzones
272     \DTMbulgarianzonemaps
273     \renewcommand*{\DTMdisplayzone}[2]{%
274       \DTMifbool{bulgarian}{mapzone}%
275       {\DTMusezonemapordefault{##1}{##2}}%
276       {%
277         \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
278         \ifDTMshowzoneminutes\DTMbulgariantimesep\DTMtwodigits{##2}\fi
279       }%
280     }%
281   }%
282   {% full style
283     \renewcommand*{\DTMdisplay}[9]{%
284       \ifDTMshowdate
285       \DTMdisplaydate{##1}{##2}{##3}{##4}%
286       \DTMbulgariandatetimesep
287       \fi
288       \DTMdisplaytime{##5}{##6}{##7}%
289       \ifDTMshowzone
290       \DTMbulgariantimezonesep
291       \DTMdisplayzone{##8}{##9}%
292       \fi
293     }%
294     \renewcommand*{\DTMDisplay}{\DTMdisplay}%
295   }
```

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

```
296  \newcommand*{\DTMbulgarianzonemaps}{%
297    \DTMdefzonemap{02}{00}{EET}%
298    \DTMdefzonemap{03}{00}{EEST}%
299  }
```

Switch style according to the useregional setting.

```
300  \DTMifcaseregional
301  {}% do nothing
302  {\DTMsetstyle{bulgarian}}
303  {\DTMsetstyle{bulgarian-numeric}}
```

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

```
304  \ifcsundef{date\CurrentTrackedDialect}
305  {%
306    \ifundef\datebulgarian
307    {% do nothing
308    }%
```

9

```
309    {%
310      \def\datebulgarian{%
311        \DTMifcaseregional
312        {}% do nothing
313        {\DTMsetstyle{bulgarian}}%
314        {\DTMsetstyle{bulgarian-numeric}}%
315      }%
316    }%
317  }%
318  {%
319    \csdef{date\CurrentTrackedDialect}{%
320      \DTMifcaseregional
321      {}% do nothing
322      {\DTMsetstyle{bulgarian}}%
323      {\DTMsetstyle{bulgarian-numeric}}
324    }%
325  }%
```

Change History

1.0

General: Initial release 1, 3, 5

Index