Irish 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

Abstract

This is the Irish 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-irish`'s \today.

I don't know if these settings are correct as I can't speak Gaelic. In particular, I don't know if the `irish` 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-irish.ins` where Name is the name of the maintainer(s) and replace the 'inactive' status to 'maintained'.

Regional styles are named in the form ⟨*language code*⟩-⟨*country code*⟩ (or ⟨*language code*⟩-⟨*country code*⟩-numeric) where ⟨*language code*⟩ is the ISO 639-1 language code (**ga** in the case of Irish Gaelic) and ⟨*country code*⟩ is the ISO 3166-1 country code (`IE` for the Republic of Ireland and `GB` for the United Kingdom of Great Britain and Northern Ireland). You will need **tracklang** v1.2 for the `ga-IE` and `ga-GB` options. The only difference between them is the Summer time zone mappings with IST (Irish Summer Time) for `ga-IE` and BST (British Summer Time) for `ga-GB`. The regionless `irish` style uses WET (Western European Time) and WEST (Western European Summer Time).

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{irish-utf8}[2015/03/26 v1.0]
```

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

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

\DTMirishmonthname   Irish month names.

```
5 \newcommand*{\DTMirishmonthname}[1]{%
6   \ifcase#1
7   \or
8   Eanáir%
9   \or
10  Feabhra%
11  \or
12  Márta%
13  \or
14  Aibreán%
15  \or
16  Bealtaine%
17  \or
18  Meitheamh%
19  \or
20  Iúil%
21  \or
22  Lúnasa%
23  \or
24  Meán Fómhair%
25  \or
26  Deireadh Fómhair%
27  \or
28  Mí na Samhna%
29  \or
30  Mí na Nollag%
31  \fi
32 }
```

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

```
33 \ProvidesDateTimeModule{irish-ascii}[2015/03/26 v1.0]
```

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

```
34 \newcommand*{\DTMirishordinal}[1]{%
35   \number#1 % space intended
36 }
```

\DTMirishmonthname Irish month names.

```
37 \newcommand*{\DTMirishmonthname}[1]{%
38   \ifcase#1
39   \or
40   Ean\protect\'air%
41   \or
42   Feabhra%
43   \or
44   M\protect\'arta%
45   \or
46   Aibre\protect\'an%
47   \or
48   Bealtaine%
49   \or
50   Meitheamh%
51   \or
52   I\protect\'uil%
53   \or
54   L\protect\'unasa%
55   \or
56   Me\protect\'an F\protect\'omhair%
57   \or
58   Deireadh F\protect\'omhair%
59   \or
60   M\protect\'i na Samhna%
61   \or
62   M\protect\'i na Nollag%
63   \fi
64 }
```

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

1.3 Irish (no region) Module (`datetime2-irish.ldf`)

Identify Module

```
65 \ProvidesDateTimeModule{irish}[2015/03/26 v1.0]
```

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

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

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

```
67 \ifxetex
68   \RequireDateTimeModule{irish-utf8}
69 \else
70   \ifluatex
71     \RequireDateTimeModule{irish-utf8}
72   \else
73     \RequireDateTimeModule{irish-ascii}
74   \fi
75 \fi
```

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

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

```
76 \newcommand*{\DTMirishdaymonthsep}{\space}
```

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

```
77 \newcommand*{\DTMirishmonthyearsep}{\space}
```

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

```
78 \newcommand*{\DTMirishdatetimesep}{\space}
```

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

```
79 \newcommand*{\DTMirishtimezonesep}{\space}
```

\DTMirishdatesep   The separator for the numeric date format.

```
80 \newcommand*{\DTMirishdatesep}{/}
```

\DTMirishtimesep   The separator for the numeric time format.

```
81 \newcommand*{\DTMirishtimesep}{:}
```

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

```
82 \DTMdefkey{irish}{daymonthsep}{\renewcommand*{\DTMirishdaymonthsep}{#1}}
83 \DTMdefkey{irish}{monthyearsep}{\renewcommand*{\DTMirishmonthyearsep}{#1}}
84 \DTMdefkey{irish}{datetimesep}{\renewcommand*{\DTMirishdatetimesep}{#1}}
85 \DTMdefkey{irish}{timezonesep}{\renewcommand*{\DTMirishtimezonesep}{#1}}
86 \DTMdefkey{irish}{datesep}{\renewcommand*{\DTMirishdatesep}{#1}}
87 \DTMdefkey{irish}{timesep}{\renewcommand*{\DTMirishtimesep}{#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.

88 \DTMdefboolkey{irish}{mapzone}[true]{}

The default is to use mappings.

89 \DTMsetbool{irish}{mapzone}{true}

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

90 \DTMdefboolkey{irish}{showdayofmonth}[true]{}

The default is to show the day of month.

91 \DTMsetbool{irish}{showdayofmonth}{true}

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

92 \DTMdefboolkey{irish}{showyear}[true]{}

The default is to show the year.

93 \DTMsetbool{irish}{showyear}{true}

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

```
94 \DTMnewstyle
95  {irish}% label
96  {% date style
97    \renewcommand*\DTMdisplaydate[4]{%
98      \DTMifbool{irish}{showdayofmonth}
99      {\DTMirishordinal{##3}\DTMirishdaymonthsep}%
100     {}%
101     \DTMirishmonthname{##2}%
102     \DTMifbool{irish}{showyear}%
103     {%
104       \DTMirishmonthyearsep
105       \number##1 % space intended
106     }%
107     {}%
108   }%
109   \renewcommand*{\DTMDisplaydate}{\DTMdisplaydate}%
110 }%
111 {% time style (use default)
112   \DTMsettimestyle{default}%
113 }%
114 {% zone style
115   \DTMresetzones
116   \DTMirishzonemaps
117   \renewcommand*{\DTMdisplayzone}[2]{%
118     \DTMifbool{irish}{mapzone}%
119     {\DTMusezonemapordefault{##1}{##2}}%
120     {%
121       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
122       \ifDTMshowzoneminutes\DTMirishtimesep\DTMtwodigits{##2}\fi
123     }%
```

```
124     }%
125 }%
126 {% full style
127    \renewcommand*{\DTMdisplay}[9]{%
128     \ifDTMshowdate
129      \DTMdisplaydate{##1}{##2}{##3}{##4}%
130      \DTMirishdatetimesep
131     \fi
132     \DTMdisplaytime{##5}{##6}{##7}%
133     \ifDTMshowzone
134      \DTMirishtimezonesep
135      \DTMdisplayzone{##8}{##9}%
136     \fi
137    }%
138    \renewcommand*{\DTMDisplay}{\DTMdisplay}%
139 }%
```

Define numeric style.

```
140 \DTMnewstyle
141 {irish-numeric}% label
142 {% date style
143    \renewcommand*\DTMdisplaydate[4]{%
144     \DTMifbool{irish}{showdayofmonth}%
145     {%
146      \number##3 % space intended
147      \DTMirishdatesep
148     }%
149     {}%
150     \number##2 % space intended
151     \DTMifbool{irish}{showyear}%
152     {%
153      \DTMirishdatesep
154      \number##1 % space intended
155     }%
156     {}%
157    }%
158    \renewcommand*{\DTMDisplaydate}[4]{\DTMdisplaydate{##1}{##2}{##3}{##4}}%
159 }%
160 {% time style
161    \renewcommand*\DTMdisplaytime[3]{%
162     \number##1
163     \DTMirishtimesep\DTMtwodigits{##2}%
164     \ifDTMshowseconds\DTMirishtimesep\DTMtwodigits{##3}\fi
165    }%
166 }%
167 {% zone style
168    \DTMresetzones
169    \DTMirishzonemaps
170    \renewcommand*{\DTMdisplayzone}[2]{%
171     \DTMifbool{irish}{mapzone}%
```

```
172        {\DTMusezonemapordefault{##1}{##2}}%
173        {%
174           \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
175           \ifDTMshowzoneminutes\DTMirishtimesep\DTMtwodigits{##2}\fi
176        }%
177     }%
178  }%
179  {% full style
180     \renewcommand*{\DTMdisplay}[9]{%
181        \ifDTMshowdate
182        \DTMdisplaydate{##1}{##2}{##3}{##4}%
183        \DTMirishdatetimesep
184        \fi
185        \DTMdisplaytime{##5}{##6}{##7}%
186        \ifDTMshowzone
187        \DTMirishtimezonesep
188        \DTMdisplayzone{##8}{##9}%
189        \fi
190     }%
191     \renewcommand*{\DTMDisplay}{\DTMdisplay}%
192  }
```

\DTMirishzonemaps The time zone mappings are set through this command, which can be redefined if
extra mappings are required or mappings need to be removed. Since no region is
provided, this style uses WET/WEST time zone mappings.

```
193  \newcommand*{\DTMirishzonemaps}{%
194     \DTMdefzonemap{00}{00}{WET}%
195     \DTMdefzonemap{01}{00}{WEST}%
196  }
```

Switch style according to the `useregional` setting.

```
197  \DTMifcaseregional
198  {}% do nothing
199  {\DTMsetstyle{irish}}
200  {\DTMsetstyle{irish-numeric}}
```

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

```
201  \ifcsundef{date\CurrentTrackedDialect}
202  {%
203     \ifundef\dateirish
204     {% do nothing
205     }%
206     {%
207        \def\dateirish{%
208           \DTMifcaseregional
209           {}% do nothing
210           {\DTMsetstyle{irish}}%
211           {\DTMsetstyle{irish-numeric}}%
212        }%
```

```
213     }%
214 }%
215 {%
216     \csdef{date\CurrentTrackedDialect}{%
217         \DTMifcaseregional
218         {}% do nothing
219         {\DTMsetstyle{irish}}%
220         {\DTMsetstyle{irish-numeric}}
221     }%
222 }%
```

1.4   Irish (Republic of Ireland) Module (`datetime2-ga-IE.ldf`)

As `irish` but uses different time zone mappings.

Identify Module

```
223 \ProvidesDateTimeModule{ga-IE}[2015/03/26 v1.0]
```

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

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

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

```
225 \ifxetex
226     \RequireDateTimeModule{irish-utf8}
227 \else
228     \ifluatex
229         \RequireDateTimeModule{irish-utf8}
230     \else
231         \RequireDateTimeModule{irish-ascii}
232     \fi
233 \fi
```

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

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

```
234 \newcommand*{\DTMgaIEdaymonthsep}{\space}
```

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

```
235 \newcommand*{\DTMgaIEmonthyearsep}{\space}
```

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

```
236 \newcommand*{\DTMgaIEdatetimesep}{\space}
```

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

237 `\newcommand*{\DTMgaIEtimezonesep}{\space}`

\DTMgaIEdatesep   The separator for the numeric date format.

238 `\newcommand*{\DTMgaIEdatesep}{/}`

\DTMgaIEtimesep   The separator for the numeric time format.

239 `\newcommand*{\DTMgaIEtimesep}{:}`

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

240 `\DTMdefkey{ga-IE}{daymonthsep}{\renewcommand*{\DTMgaIEdaymonthsep}{#1}}`
241 `\DTMdefkey{ga-IE}{monthyearsep}{\renewcommand*{\DTMgaIEmonthyearsep}{#1}}`
242 `\DTMdefkey{ga-IE}{datetimesep}{\renewcommand*{\DTMgaIEdatetimesep}{#1}}`
243 `\DTMdefkey{ga-IE}{timezonesep}{\renewcommand*{\DTMgaIEtimezonesep}{#1}}`
244 `\DTMdefkey{ga-IE}{datesep}{\renewcommand*{\DTMgaIEdatesep}{#1}}`
245 `\DTMdefkey{ga-IE}{timesep}{\renewcommand*{\DTMgaIEtimesep}{#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.

246 `\DTMdefboolkey{ga-IE}{mapzone}[true]{}`

The default is to use mappings.

247 `\DTMsetbool{ga-IE}{mapzone}{true}`

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

248 `\DTMdefboolkey{ga-IE}{showdayofmonth}[true]{}`

The default is to show the day of month.

249 `\DTMsetbool{ga-IE}{showdayofmonth}{true}`

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

250 `\DTMdefboolkey{ga-IE}{showyear}[true]{}`

The default is to show the year.

251 `\DTMsetbool{ga-IE}{showyear}{true}`

Define the `ga-IE` style. (TODO: implement day of week?)

252 `\DTMnewstyle`
253 `{ga-IE}% label`
254 `{% date style`
255 `  \renewcommand*\DTMdisplaydate[4]{%`
256 `    \DTMifbool{ga-IE}{showdayofmonth}`
257 `    {\DTMirishordinal{##3}\DTMgaIEdaymonthsep}%`
258 `    {}%`
259 `    \DTMirishmonthname{##2}%`
260 `    \DTMifbool{ga-IE}{showyear}%`
261 `    {%`
262 `      \DTMgaIEmonthyearsep`

```
263        \number##1 % space intended
264      }%
265      {}%
266    }%
267    \renewcommand*{\DTMDisplaydate}{\DTMdisplaydate}%
268 }%
269 {% time style (use default)
270    \DTMsettimestyle{default}%
271 }%
272 {% zone style
273    \DTMresetzones
274    \DTMgaIEzonemaps
275    \renewcommand*{\DTMdisplayzone}[2]{%
276      \DTMifbool{ga-IE}{mapzone}%
277      {\DTMusezonemapordefault{##1}{##2}}%
278      {%
279        \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
280        \ifDTMshowzoneminutes\DTMgaIEtimesep\DTMtwodigits{##2}\fi
281      }%
282    }%
283 }%
284 {% full style
285    \renewcommand*{\DTMdisplay}[9]{%
286      \ifDTMshowdate
287      \DTMdisplaydate{##1}{##2}{##3}{##4}%
288      \DTMgaIEdatetimesep
289      \fi
290      \DTMdisplaytime{##5}{##6}{##7}%
291      \ifDTMshowzone
292        \DTMgaIEtimezonesep
293        \DTMdisplayzone{##8}{##9}%
294      \fi
295    }%
296    \renewcommand*{\DTMDisplay}{\DTMdisplay}%
297 }%
```

Define numeric style.

```
298 \DTMnewstyle
299 {ga-IE-numeric}% label
300 {% date style
301    \renewcommand*\DTMdisplaydate[4]{%
302      \DTMifbool{ga-IE}{showdayofmonth}%
303      {%
304        \number##3 % space intended
305        \DTMgaIEdatesep
306      }%
307      {}%
308      \number##2 % space intended
309      \DTMifbool{ga-IE}{showyear}%
310      {%
```

```
311        \DTMgaIEdatesep
312        \number##1 % space intended
313      }%
314      {}%
315    }%
316    \renewcommand*{\DTMDisplaydate}[4]{\DTMdisplaydate{##1}{##2}{##3}{##4}}%
317 }%
318 {% time style
319    \renewcommand*\DTMdisplaytime[3]{%
320      \number##1
321      \DTMgaIEtimesep\DTMtwodigits{##2}%
322      \ifDTMshowseconds\DTMgaIEtimesep\DTMtwodigits{##3}\fi
323    }%
324 }%
325 {% zone style
326    \DTMresetzones
327    \DTMgaIEzonemaps
328    \renewcommand*{\DTMdisplayzone}[2]{%
329      \DTMifbool{ga-IE}{mapzone}%
330      {\DTMusezonemapordefault{##1}{##2}}%
331      {%
332        \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
333        \ifDTMshowzoneminutes\DTMgaIEtimesep\DTMtwodigits{##2}\fi
334      }%
335    }%
336 }%
337 {% full style
338    \renewcommand*{\DTMdisplay}[9]{%
339      \ifDTMshowdate
340      \DTMdisplaydate{##1}{##2}{##3}{##4}%
341      \DTMgaIEdatetimesep
342      \fi
343      \DTMdisplaytime{##5}{##6}{##7}%
344      \ifDTMshowzone
345      \DTMgaIEtimezonesep
346      \DTMdisplayzone{##8}{##9}%
347      \fi
348    }%
349    \renewcommand*{\DTMDisplay}{\DTMdisplay}%
350 }
```

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

```
351 \newcommand*{\DTMgaIEzonemaps}{%
352   \DTMdefzonemap{00}{00}{GMT}%
353   \DTMdefzonemap{01}{00}{IST}%
354 }
```

Switch style according to the `useregional` setting.

```
355 \DTMifcaseregional
356 {}% do nothing
357 {\DTMsetstyle{ga-IE}}
358 {\DTMsetstyle{ga-IE-numeric}}
```

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

```
359 \ifcsundef{date\CurrentTrackedDialect}
360 {%
361   \ifundef\dateirish
362   {% do nothing
363   }%
364   {%
365     \def\dateirish{%
366       \DTMifcaseregional
367       {}% do nothing
368       {\DTMsetstyle{ga-IE}}%
369       {\DTMsetstyle{ga-IE-numeric}}%
370     }%
371   }%
372 }%
373 {%
374   \csdef{date\CurrentTrackedDialect}{%
375     \DTMifcaseregional
376     {}% do nothing
377     {\DTMsetstyle{ga-IE}}%
378     {\DTMsetstyle{ga-IE-numeric}}
379   }%
380 }%
```

1.5   Irish (Northern Ireland) Module (`datetime2-ga-GB.ldf`)

As irish but uses different time zone mappings.

Identify Module

```
381 \ProvidesDateTimeModule{ga-GB}[2015/03/26 v1.0]
```

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

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

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

```
383 \ifxetex
384  \RequireDateTimeModule{irish-utf8}
385 \else
386  \ifluatex
387    \RequireDateTimeModule{irish-utf8}
388  \else
389    \RequireDateTimeModule{irish-ascii}
390  \fi
391 \fi
```

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

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

```
392 \newcommand*{\DTMgaGBdaymonthsep}{\space}
```

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

```
393 \newcommand*{\DTMgaGBmonthyearsep}{\space}
```

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

```
394 \newcommand*{\DTMgaGBdatetimesep}{\space}
```

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

```
395 \newcommand*{\DTMgaGBtimezonesep}{\space}
```

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

```
396 \newcommand*{\DTMgaGBdatesep}{/}
```

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

```
397 \newcommand*{\DTMgaGBtimesep}{:}
```

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

```
398 \DTMdefkey{ga-GB}{daymonthsep}{\renewcommand*{\DTMgaGBdaymonthsep}{#1}}
399 \DTMdefkey{ga-GB}{monthyearsep}{\renewcommand*{\DTMgaGBmonthyearsep}{#1}}
400 \DTMdefkey{ga-GB}{datetimesep}{\renewcommand*{\DTMgaGBdatetimesep}{#1}}
401 \DTMdefkey{ga-GB}{timezonesep}{\renewcommand*{\DTMgaGBtimezonesep}{#1}}
402 \DTMdefkey{ga-GB}{datesep}{\renewcommand*{\DTMgaGBdatesep}{#1}}
403 \DTMdefkey{ga-GB}{timesep}{\renewcommand*{\DTMgaGBtimesep}{#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.

```
404 \DTMdefboolkey{ga-GB}{mapzone}[true]{}
```

The default is to use mappings.

```
405 \DTMsetbool{ga-GB}{mapzone}{true}
```

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

```
406 \DTMdefboolkey{ga-GB}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
407 \DTMsetbool{ga-GB}{showdayofmonth}{true}
```

13

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

408 \DTMdefboolkey{ga-GB}{showyear}[true]{}

 The default is to show the year.

409 \DTMsetbool{ga-GB}{showyear}{true}

Define the `ga-GB` style. (TODO: implement day of week?)

```
410 \DTMnewstyle
411 {ga-GB}% label
412 {% date style
413   \renewcommand*\DTMdisplaydate[4]{%
414     \DTMifbool{ga-GB}{showdayofmonth}
415     {\DTMirishordinal{##3}\DTMgaGBdaymonthsep}%
416     {}%
417     \DTMirishmonthname{##2}%
418     \DTMifbool{ga-GB}{showyear}%
419     {%
420       \DTMgaGBmonthyearsep
421       \number##1 % space intended
422     }%
423     {}%
424   }%
425   \renewcommand*{\DTMDisplaydate}{\DTMdisplaydate}%
426 }%
427 {% time style (use default)
428   \DTMsettimestyle{default}%
429 }%
430 {% zone style
431   \DTMresetzones
432   \DTMgaGBzonemaps
433   \renewcommand*{\DTMdisplayzone}[2]{%
434     \DTMifbool{ga-GB}{mapzone}%
435     {\DTMusezonemapordefault{##1}{##2}}%
436     {%
437       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
438       \ifDTMshowzoneminutes\DTMgaGBtimesep\DTMtwodigits{##2}\fi
439     }%
440   }%
441 }%
442 {% full style
443   \renewcommand*{\DTMdisplay}[9]{%
444     \ifDTMshowdate
445     \DTMdisplaydate{##1}{##2}{##3}{##4}%
446     \DTMgaGBdatetimesep
447     \fi
448     \DTMdisplaytime{##5}{##6}{##7}%
449     \ifDTMshowzone
450     \DTMgaGBtimezonesep
451     \DTMdisplayzone{##8}{##9}%
452     \fi
```

```
453    }%
454    \renewcommand*{\DTMDisplay}{\DTMdisplay}%
455 }%
     Define numeric style.
456 \DTMnewstyle
457 {ga-GB-numeric}% label
458 {% date style
459    \renewcommand*\DTMdisplaydate[4]{%
460      \DTMifbool{ga-GB}{showdayofmonth}%
461      {%
462        \number##3 % space intended
463        \DTMgaGBdatesep
464      }%
465      {}%
466      \number##2 % space intended
467      \DTMifbool{ga-GB}{showyear}%
468      {%
469        \DTMgaGBdatesep
470        \number##1 % space intended
471      }%
472      {}%
473    }%
474    \renewcommand*{\DTMDisplaydate}[4]{\DTMdisplaydate{##1}{##2}{##3}{##4}}%
475 }%
476 {% time style
477    \renewcommand*\DTMdisplaytime[3]{%
478      \number##1
479      \DTMgaGBtimesep\DTMtwodigits{##2}%
480      \ifDTMshowseconds\DTMgaGBtimesep\DTMtwodigits{##3}\fi
481    }%
482 }%
483 {% zone style
484    \DTMresetzones
485    \DTMgaGBzonemaps
486    \renewcommand*{\DTMdisplayzone}[2]{%
487      \DTMifbool{ga-GB}{mapzone}%
488      {\DTMusezonemapordefault{##1}{##2}}%
489      {%
490        \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
491        \ifDTMshowzoneminutes\DTMgaGBtimesep\DTMtwodigits{##2}\fi
492      }%
493    }%
494 }%
495 {% full style
496    \renewcommand*{\DTMdisplay}[9]{%
497      \ifDTMshowdate
498      \DTMdisplaydate{##1}{##2}{##3}{##4}%
499      \DTMgaGBdatetimesep
500      \fi
```

15

```
501        \DTMdisplaytime{##5}{##6}{##7}%
502        \ifDTMshowzone
503          \DTMgaGBtimezonesep
504          \DTMdisplayzone{##8}{##9}%
505        \fi
506      }%
507      \renewcommand*{\DTMDisplay}{\DTMdisplay}%
508    }
```

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

```
509 \newcommand*{\DTMgaGBzonemaps}{%
510    \DTMdefzonemap{00}{00}{GMT}%
511    \DTMdefzonemap{01}{00}{BST}%
512 }
```

     Switch style according to the `useregional` setting.

```
513 \DTMifcaseregional
514 {}% do nothing
515 {\DTMsetstyle{ga-GB}}
516 {\DTMsetstyle{ga-GB-numeric}}
```

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

```
517 \ifcsundef{date\CurrentTrackedDialect}
518 {%
519    \ifundef\dateirish
520    {% do nothing
521    }%
522    {%
523      \def\dateirish{%
524        \DTMifcaseregional
525        {}% do nothing
526        {\DTMsetstyle{ga-GB}}%
527        {\DTMsetstyle{ga-GB-numeric}}%
528      }%
529    }%
530 }%
531 {%
532    \csdef{date\CurrentTrackedDialect}{%
533      \DTMifcaseregional
534      {}% do nothing
535      {\DTMsetstyle{ga-GB}}%
536      {\DTMsetstyle{ga-GB-numeric}}
537    }%
538 }%
```

Change History

1.0

General: Initial release . . . 2, 3, 8, 12

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