# SERBIAN MODULE FOR DATETIME2 PACKAGE

https://gitlab.com/andrejr/datetime2-serbian

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ABSTRACT

This is the Serbian 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 on (`text` or `numeric`) for the language styles to be set. Alternatively, you can set them in the document using `\DTMsetstyle`, but without the `useregional` setting on the style will be changed by `\date`⟨*language*⟩.

As of version 2.0.0, there is support for both Ekavian and Ijekavian pronunciation in both Latin and Cyrillic, regions (Serbia, Bosnia and Herzegovina, Montenegro), numeric format variants (Roman month ordinals, optional leading zeros). The package provides two regionless styles, `serbian` (Latin) and `serbianc` (Cyrillic), as well as regional styles (explained in subsection 1.3).

Neither month nor day of week abbreviations are supported. These aren't often used within dates in Serbian.

Thanks to the author of datetime2, Dr Nicola L. C. Talbot, datetime2-serbian now (since datetime2 v1.5.5 and datetime2-serbian v1.1.0) supports a peculiar aspect of Serbian date formatting: omission of year ordinal's trailing dot when the date is followed by a punctuation mark such as a comma. This is facilitated by the starred versions of `\DTMdate` and `\DTMDate` — `\DTMdate*` and `\DTMDate*`. This is explained better in subsection 1.5.

*The package is generated from (Jinja2) templates by a Python script before it's uploaded to CTAN, so don't try to send patches to files you find there. All development is done on Gitlab (https://gitlab.com/andrejr/datetime2-serbian).*

*If you're developing other datetime2 localization modules (or localization modules in general), the way the package is generated might be of interest to you. I actually tried writing the package by hand, but it was way too tedious. Generating most of the package from templates seems like the best way to do it. Along the way, I also wrote a small utility for generating ASCII – LICR strings from UTF-8 strings, and it can be found here: https://gitlab.com/andrejr/utf8_to_licr. I might publish it to CTAN if there is interest.*

*All of Serbian Cyrillic localization strings are also automatically generated from Serbian Latin strings using my srtools Python package, available on PyPI and AUR.*

## CONTENTS

# 1 THE DOCUMENTATION

## 1.1 Installation

Extract the language definition files first:

1. Run LuaLaTeX over the file `datetime2-serbian.ins`:
   `lualatex datetime2-serbian.ins`
2. Move all `*.ldf` files to `TEXMF/tex/latex/datetime2-contrib/datetime2-serbian/`

Then, you can compile the documentation yourself by executing

```
lualatex datetime2-serbian.dtx
makeindex -s ginddt2s.ist datetime2-serbian.idx
makeindex -s gglodt2s.ist -o datetime2-serbian.gls datetime2-serbian.glo
lualatex datetime2-serbian.dtx
lualatex datetime2-serbian.dtx
```

or just use the precompiled documentation shipped with the source files. In both cases, copy the files `datetime2-serbian.pdf` and `README.md` to `TEXMF/doc/latex/datetime2-contrib/datetime2-serbian/`.

## 1.2 Setting up datetime2 with a language module

### 1.2.1 *Loading a language module*

*There are three different ways to load the required language module. See the datetime2 documentation for further detail.*

**VARIANT 1:** Request the desired language module explicitly by passing one of the region options to the datetime2 package, such as `serbian`, `serbianc`, `sr-Cyrl-ME`, … (the full list can be found in subsection 1.3).

```
\documentclass{article}
\usepackage[serbian]{datetime2}
```

```
\begin{document}
\today
\end{document}
```

**VARIANT 2:** Load babel and pass the `serbian` or `serbianc` option to the `\documentclass` command (or to babel directly). If you now pass the `useregional` option to datetime2, the language module suitable to the one specified with babel is loaded:

```
\documentclass[serbian]{article}
\usepackage{babel}
\usepackage[useregional]{datetime2}
\begin{document}
\today
\end{document}
```

**VARIANT 3:** When using polyglossia, you should request the desired language module by passing one of the previously mentioned options to the datetime2 package:

```
\documentclass{article}
\usepackage{polyglossia}
\setmainlanguage{serbian}
\usepackage[serbian]{datetime2}
\begin{document}
\today
\end{document}
```

### 1.3 Regions and scripts

Serbian language is a rare example of synchronic digraphia — a situation where all literate members of a society use two interchangeable writing systems (Cyrillic and Latin). This is true in all regions Serbian is spoken in (Serbia, Bosnia and Herzegovina, Montenegro). This is why every region has a Cyrillic and Latin variant, as well as the regionless styles (`serbian` and `serbianc`).

The only other difference between the regions is the default value of `pronunciation`, which is Ekavian by default for `serbian`, `serbianc`, `sr-*-RS` and Ijekavian for the rest.

The full list of regions (and regionless styles, on top) is as follows:

```
serbian                                 serbianc
sr-Latn                                 sr-Cyrl
sr-Latn-RS                              sr-Cyrl-RS
sr-Latn-ME                              sr-Cyrl-ME
sr-Latn-BA                              sr-Cyrl-BA
```

### 1.4 Settings (Serbian-related)

These settings can be changed using
DTMlangsetup. Here's an example showing how to set both multiple–choice and boolean settings.

```
\DTMlangsetup[serbian]{pronunciation=ijekavian, monthi}
```

#### *1.4.1 pronunciation*

May take values `ekavian` and `ijekavian`, which denote the two most frequently used pronunciations in Serbian language. The only difference is in the way weekdays are written.

The default value is Ekavian by default for `serbian`, `serbianc`, `sr-*-RS` and Ijekavian for the rest of the regions.

| | |
|---|---|
| ponedeljak, 4. novembar 2019. | *Ekavian pronunciation* |
| ponedjeljak, 4. novembar 2019. | *Ijekavian pronunciation* |

#### 1.4.2 *monthi*

This is a boolean key. If `false` (the default), the months June and July are spelled as *Jun* and *Jul*. If `true`, the months June and July are spelled as *Juni* and *Juli*.

| | |
|---|---|
| 15. juni 1389. | `monthi=true` |
| 15. jun 1389. | `monthi=false` |

#### 1.4.3 *leadingzero*

This is a boolean key. If `false` (the default), there is no leading zero for hours, days or months. If `true`, there is.

| | |
|---|---|
| уторак, 2. 4. 2019. 8.03 CET | `leadingzero=false` |
| уторак, 02. 04. 2019. 08.03 CET | `leadingzero=true` |

#### 1.4.4 *monthord*

This key defines the way the month ordinal is written in Serbian `*-numeric` formats. This key defines the way the month ordinal is written in Serbian `*-numeric` It takes values `arabic` (the default), `roman` and `romanlsc`. The `arabic` setting results in an arabic numeral (subject to leadingzero) followed by a period.

The `roman` setting results in an uppercase Roman numeral without a period suffix. The `romansc` setting results in a lowercase small caps Roman numeral without a period suffix (this looks better than regular uppercase when usign old style figures).

| | |
|---|---|
| уторак, 2. 4. 2019. 8.03 CET | `monthord=arabic` |
| уторак, 2. IV 2019. 8.03 CET | `monthord=roman` with `\liningnums` |
| уторак, 2. iv 2019. 8.03 CET | `monthord=romanlsc` with `\oldstylenums` |

### 1.5 Peculiarities of Serbian date formatting

*All numbers in a date are considered to be ordinals in Serbian. Hence, the dots in Serbian dates aren't seen as mere separators, but ordinal designations.*

Date rules in Serbian language feature a dot after the year (the ordinal dot) in *almost* every case. When the date is followed by a punctuation mark, the trailing dot is omitted. When a sentence ends with a date, the date's trailing dot is also omitted, so the sentence ends in a single period (or question or exclamation mark).

Here are some examples:

1 Za 21. 2. 2019. i 3. 10. 2019. smo zakazali okupljanja.
2 Prva verzija je izašla 17. 9. 1991, nakon nepune godine razvoja.
3 Da li svima odgovara 21. februar 2019?
4 Konferencija je održana 6. 8. 2013.

To facilitate this, datetime2 and datetime2-serbian provide starred alternatives for `\DTMdate` and `\DTMDate`, which omit the trailing dot. Such alternatives for `\DTMdisplaydate`, `\today`, etc. are not possible, since they would prevent said macros from working in expandable contexts (such as PDF bookmarks). It is the primary design feature of these commands to work in expandable contexts. Still, `\DTMdate*` and `\DTMDate` should cover most of our needs.

Now, here's how we'd write example from above:

```
Za \DTMdate{2019-02-21} i \DTMdate{2019-10-03} smo zakazali okupljanja.
Prva verzija je izašla \DTMdate*{1991-09-17}, nakon nepune godine razvoja.
Da li svima odgovara \DTMdate*{2019-02-21}?
Konferencija je održana \DTMdate*{2013-08-06}.
```

## 1.6 Other features and settings

### *1.6.1 Showing the weekday*

All language modules shipped with datetime2-serbian support showing the weekday. To enable this feature, pass the `showdow` option to the datetime2 package.

### *1.6.2 Generic customization of styles*

There are a number of settings provided that can be used in `\DTMlangsetup` to modify the date-time style. These should be present in all `datetime2-*` packages and are present in all Serbian regionless and regional styles

These are:

`dowdaysep` The separator between the day of week name and the day of month number.

`daymonthsep` The separator between the day and the month name.

`monthyearsep` The separator between the month name and year.

`datesep` The separator between the date numbers in the numeric styles.

`timesep` The separator between hours, minutes and seconds.

`datetimesep` The separator between the date and time for the full date-time format.

`timezonesep` The separator between the time and zone for the full date-time format.

`mapzone` This is a boolean key. If true, the time zone mappings are applied.

`showdayofmonth` A boolean key that determines whether or not to show the day of the month.

`showyear` A boolean key that determines whether or not to show the year.

Although the keys listed here are *defined* for all variant styles, it depends on datetime2's setup and the requested styles whether they're *used*.
For more information about the `\DTMlangsetup` command see the documentation of the main datetime2 package.

## 1.7 License

## 2 THE CODE

### 2.1 Base package localization strings

This file contains the code common to all the Serbian regional variations. The localization strings are later imported with the appropriate encoding.

```
\ProvidesDateTimeModule{serbian-base}[2019/11/22 v2.1.0]
```

\DTMserbianordinalROMAN Uppercase Roman numerals.

```
\newcommand*{\DTMserbianordinalROMAN}[1]{%
  \ifcase#1
  \or%
    I%
  \or%
    II%
  \or%
    III%
  \or%
    IV%
  \or%
    V%
  \or%
    VI%
  \or%
    VII%
  \or%
    VIII%
  \or%
    IX%
  \or%
    X%
  \or%
    XI%
  \or%
    XII%
  \fi
}
```

\DTMserbianordinalroman Lowercase Roman numerals.

```
\newcommand*{\DTMserbianordinalroman}[1]{%
  \ifcase#1
  \or%
    i%
  \or%
    ii%
  \or%
    iii%
  \or%
    iv%
  \or%
    v%
  \or%
    vi%
  \or%
```

```
    vii%
  \or%
    viii%
  \or%
    ix%
  \or%
    x%
  \or%
    xi%
  \or%
    xii%
  \fi
}
```

We will now include the appropriate localization data.

Packages ifxetex and ifluatex provide a way to determine if the currently used LaTeX engine is XeLaTeX or LuaLaTeX, respectively.

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

Load `serbian-utf8` if either XeLaTeX or LuaLaTeX are used, since these engines natively support utf-8. Otherwise load `serbian-ascii`, which provides support for legacy engines that only support LICR.

```
\ifxetex%
  \RequireDateTimeModule{serbian-base-utf8}
\else
  \ifluatex%
    \RequireDateTimeModule{serbian-base-utf8}
  \else
    \RequireDateTimeModule{serbian-base-ascii}
  \fi
\fi
```

### 2.2 Base Serbian UTF-8 localization strings

This file contains the localization strings necessary for proper date formatting in UTF-8 format. This file is loaded if XeLaTeX or LuaLaTeX are used.

```
\ProvidesDateTimeModule{serbian-base-utf8}[2019/11/22 v2.1.0]
```

#### 2.2.1 *Latin month names*

`\DTMserbianlatnoimonthname` Serbian month names, Latin alphabet, no i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbianlatnoimonthname}[1]{%
  \ifcase#1
  \or%
    januar%
  \or%
    februar%
  \or%
    mart%
  \or%
    april%
  \or%
    maj%
```

```
  \or%
    jun%
  \or%
    jul%
  \or%
    avgust%
  \or%
    septembar%
  \or%
    oktobar%
  \or%
    novembar%
  \or%
    decembar%
  \fi
}
```

\DTMserbianlatnoiMonthname Serbian month names, Latin alphabet, no i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbianlatnoiMonthname}[1]{%
  \ifcase#1
  \or%
    Januar%
  \or%
    Februar%
  \or%
    Mart%
  \or%
    April%
  \or%
    Maj%
  \or%
    Jun%
  \or%
    Jul%
  \or%
    Avgust%
  \or%
    Septembar%
  \or%
    Oktobar%
  \or%
    Novembar%
  \or%
    Decembar%
  \fi
}
```

\DTMserbianlatimonthname Serbian month names, Latin alphabet, i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbianlatimonthname}[1]{%
  \ifnum#1=6%
    juni%
  \else\ifnum\#1=7%
      juli%
    \else
      \DTMserbianlatnoimonthname%
```

```
    \fi\fi
}
```

\DTMserbianlatiMonthname Serbian month names, Latin alphabet, i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbianlatiMonthname}[1]{%
  \ifnum#1=6%
    Juni%
  \else\ifnum\#1=7%
  Juli%
    \else
      \DTMserbianlatnoimonthname%
    \fi\fi
}
```

### 2.2.2 Latin days of week, Ekavian pronunciation

\DTMserbianlatekweekdayname Serbian weekday names, Latin alphabet, Ekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbianlatekweekdayname}[1]{%
  \ifcase#1
    ponedeljak%
  \or%
    utorak%
  \or%
    sreda%
  \or%
    četvrtak%
  \or%
    petak%
  \or%
    subota%
  \or%
    nedelja%
  \fi%
}
```

\DTMserbianlatekWeekdayname Serbian weekday names, Latin alphabet, Ekavian pronunciation, capitalized

```
\newcommand*{\DTMserbianlatekWeekdayname}[1]{%
  \ifcase#1
    Ponedeljak%
  \or%
    Utorak%
  \or%
    Sreda%
  \or%
    Četvrtak%
  \or%
    Petak%
  \or%
    Subota%
  \or%
    Nedelja%
  \fi%
}
```

### 2.2.3 Latin days of week, Ijekavian pronunciation

\DTMserbianlatijweekdayname Serbian weekday names, Latin alphabet, Ijekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbianlatijweekdayname}[1]{%
  \ifcase#1
    ponedjeljak%
  \or%
    utorak%
  \or%
    srijeda%
  \or%
    četvrtak%
  \or%
    petak%
  \or%
    subota%
  \or%
    nedjelja%
  \fi%
}
```

\DTMserbianlatijWeekdayname Serbian weekday names, Latin alphabet, Ijekavian pronunciation, capitalized

```
\newcommand*{\DTMserbianlatijWeekdayname}[1]{%
  \ifcase#1
    Ponedjeljak%
  \or%
    Utorak%
  \or%
    Srijeda%
  \or%
    Četvrtak%
  \or%
    Petak%
  \or%
    Subota%
  \or%
    Nedjelja%
  \fi%
}
```

### 2.2.4 Cyrillic month names

\DTMserbiancyrnoimonthname Serbian month names, Cyrillic alphabet, no і suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbiancyrnoimonthname}[1]{%
  \ifcase#1
  \or%
    јануар%
  \or%
    фебруар%
  \or%
    март%
  \or%
    април%
  \or%
    мај%
```

```
  \or%
    јун%
  \or%
    јул%
  \or%
    август%
  \or%
    септембар%
  \or%
    октобар%
  \or%
    новембар%
  \or%
    децембар%
  \fi
}
```

`\DTMserbiancyrnoiMonthname` Serbian month names, Cyrillic alphabet, no і suffix for June and July, capitalized.

```
\newcommand*{\DTMserbiancyrnoiMonthname}[1]{%
  \ifcase#1
  \or%
    Јануар%
  \or%
    Фебруар%
  \or%
    Март%
  \or%
    Април%
  \or%
    Мај%
  \or%
    Јун%
  \or%
    Јул%
  \or%
    Август%
  \or%
    Септембар%
  \or%
    Октобар%
  \or%
    Новембар%
  \or%
    Децембар%
  \fi
}
```

`\DTMserbiancyrimonthname` Serbian month names, Cyrillic alphabet, і suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbiancyrimonthname}[1]{%
  \ifnum#1=6%
    јуни%
  \else\ifnum\#1=7%
      јули%
    \else
      \DTMserbiancyrnoimonthname%
```

```
    \fi\fi
}
```

\DTMserbiancyriMonthname Serbian month names, Cyrillic alphabet, i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbiancyriMonthname}[1]{%
  \ifnum#1=6%
    Јуни%
  \else\ifnum\#1=7%
  Јули%
    \else
      \DTMserbiancyrnoimonthname%
    \fi\fi
}
```

### *2.2.5 Cyrillic days of week, Ekavian pronunciation*

\DTMserbiancyrekweekdayname Serbian weekday names, Cyrillic alphabet, Ekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbiancyrekweekdayname}[1]{%
  \ifcase#1
    понедељак%
  \or%
    уторак%
  \or%
    среда%
  \or%
    четвртак%
  \or%
    петак%
  \or%
    субота%
  \or%
    недеља%
  \fi%
}
```

\DTMserbiancyrekWeekdayname Serbian weekday names, Cyrillic alphabet, Ekavian pronunciation, capitalized

```
\newcommand*{\DTMserbiancyrekWeekdayname}[1]{%
  \ifcase#1
    Понедељак%
  \or%
    Уторак%
  \or%
    Среда%
  \or%
    Четвртак%
  \or%
    Петак%
  \or%
    Субота%
  \or%
    Недеља%
  \fi%
}
```

#### 2.2.6 Cyrillic days of week, Ijekavian pronunciation

\DTMserbiancyrijweekdayname Serbian weekday names, Cyrillic alphabet, Ijekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbiancyrijweekdayname}[1]{%
  \ifcase#1
    понедјељак%
  \or%
    уторак%
  \or%
    сриједа%
  \or%
    четвртак%
  \or%
    петак%
  \or%
    субота%
  \or%
    недјеља%
  \fi%
}
```

\DTMserbiancyrijWeekdayname Serbian weekday names, Cyrillic alphabet, Ijekavian pronunciation, capitalized

```
\newcommand*{\DTMserbiancyrijWeekdayname}[1]{%
  \ifcase#1
    Понедјељак%
  \or%
    Уторак%
  \or%
    Сриједа%
  \or%
    Четвртак%
  \or%
    Петак%
  \or%
    Субота%
  \or%
    Недјеља%
  \fi%
}
```

### 2.3 Base Serbian ASCII — LICR localization strings

This file contains the localization strings necessary for proper date formatting in LICR format, which is ASCII-compatible. It provides support for legacy LaTeX engines that only support this kind of format and encoding.

This part of the file is generated from the UTF-8 version with the help of a tool I wrote, since writing pure LICR by hand would be quite insane.

```
\ProvidesDateTimeModule{serbian-base-ascii}[2019/11/22 v2.1.0]
```

#### 2.3.1 Latin month names

\DTMserbianlatnoimonthname Serbian month names, Latin alphabet, no i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbianlatnoimonthname}[1]{%
```

```
  \ifcase#1
  \or%
    januar%
  \or%
    februar%
  \or%
    mart%
  \or%
    april%
  \or%
    maj%
  \or%
    jun%
  \or%
    jul%
  \or%
    avgust%
  \or%
    septembar%
  \or%
    oktobar%
  \or%
    novembar%
  \or%
    decembar%
  \fi
}
```

`\DTMserbianlatnoiMonthname` Serbian month names, Latin alphabet, no i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbianlatnoiMonthname}[1]{%
  \ifcase#1
  \or%
    Januar%
  \or%
    Februar%
  \or%
    Mart%
  \or%
    April%
  \or%
    Maj%
  \or%
    Jun%
  \or%
    Jul%
  \or%
    Avgust%
  \or%
    Septembar%
  \or%
    Oktobar%
  \or%
    Novembar%
  \or%
    Decembar%
```

```
  \fi
}
```

\DTMserbianlatimonthname Serbian month names, Latin alphabet, i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbianlatimonthname}[1]{%
  \ifnum#1=6%
    juni%
  \else\ifnum\#1=7%
      juli%
    \else
      \DTMserbianlatnoimonthname%
    \fi\fi
}
```

\DTMserbianlatiMonthname Serbian month names, Latin alphabet, i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbianlatiMonthname}[1]{%
  \ifnum#1=6%
    Juni%
  \else\ifnum\#1=7%
  Juli%
    \else
      \DTMserbianlatnoimonthname%
    \fi\fi
}
```

### 2.3.2 Latin days of week, Ekavian pronunciation

\DTMserbianlatekweekdayname Serbian weekday names, Latin alphabet, Ekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbianlatekweekdayname}[1]{%
  \ifcase#1
    ponedeljak%
  \or%
    utorak%
  \or%
    sreda%
  \or%
    \v cetvrtak%
  \or%
    petak%
  \or%
    subota%
  \or%
    nedelja%
  \fi%
}
```

\DTMserbianlatekWeekdayname Serbian weekday names, Latin alphabet, Ekavian pronunciation, capitalized

```
\newcommand*{\DTMserbianlatekWeekdayname}[1]{%
  \ifcase#1
    Ponedeljak%
  \or%
    Utorak%
  \or%
    Sreda%
```

```
  \or%
    \v Cetvrtak%
  \or%
    Petak%
  \or%
    Subota%
  \or%
    Nedelja%
  \fi%
}
```

#### 2.3.3 Latin days of week, Ijekavian pronunciation

\DTMserbianlatijweekdayname Serbian weekday names, Latin alphabet, Ijekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbianlatijweekdayname}[1]{%
  \ifcase#1
    ponedjeljak%
  \or%
    utorak%
  \or%
    srijeda%
  \or%
    \v cetvrtak%
  \or%
    petak%
  \or%
    subota%
  \or%
    nedjelja%
  \fi%
}
```

\DTMserbianlatijWeekdayname Serbian weekday names, Latin alphabet, Ijekavian pronunciation, capitalized

```
\newcommand*{\DTMserbianlatijWeekdayname}[1]{%
  \ifcase#1
    Ponedjeljak%
  \or%
    Utorak%
  \or%
    Srijeda%
  \or%
    \v Cetvrtak%
  \or%
    Petak%
  \or%
    Subota%
  \or%
    Nedjelja%
  \fi%
}
```

#### 2.3.4 Cyrillic month names

\DTMserbiancyrnoimonthname Serbian month names, Cyrillic alphabet, no i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbiancyrnoimonthname}[1]{%
  \ifcase#1
  \or%
    \cyrje\cyra\cyrn\cyru\cyra\cyrr%
  \or%
    \cyrf\cyre\cyrb\cyrr\cyru\cyra\cyrr%
  \or%
    \cyrm\cyra\cyrr\cyrt%
  \or%
    \cyra\cyrp\cyrr\cyri\cyrl%
  \or%
    \cyrm\cyra\cyrje%
  \or%
    \cyrje\cyru\cyrn%
  \or%
    \cyrje\cyru\cyrl%
  \or%
    \cyra\cyrv\cyrg\cyru\cyrs\cyrt%
  \or%
    \cyrs\cyre\cyrp\cyrt\cyre\cyrm\cyrb\cyra\cyrr%
  \or%
    \cyro\cyrk\cyrt\cyro\cyrb\cyra\cyrr%
  \or%
    \cyrn\cyro\cyrv\cyre\cyrm\cyrb\cyra\cyrr%
  \or%
    \cyrd\cyre\cyrc\cyre\cyrm\cyrb\cyra\cyrr%
  \fi
}
```

`\DTMserbiancyrnoiMonthname` Serbian month names, Cyrillic alphabet, no i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbiancyrnoiMonthname}[1]{%
  \ifcase#1
  \or%
    \CYRJE\cyra\cyrn\cyru\cyra\cyrr%
  \or%
    \CYRF\cyre\cyrb\cyrr\cyru\cyra\cyrr%
  \or%
    \CYRM\cyra\cyrr\cyrt%
  \or%
    \CYRA\cyrp\cyrr\cyri\cyrl%
  \or%
    \CYRM\cyra\cyrje%
  \or%
    \CYRJE\cyru\cyrn%
  \or%
    \CYRJE\cyru\cyrl%
  \or%
    \CYRA\cyrv\cyrg\cyru\cyrs\cyrt%
  \or%
    \CYRS\cyre\cyrp\cyrt\cyre\cyrm\cyrb\cyra\cyrr%
  \or%
    \CYRO\cyrk\cyrt\cyro\cyrb\cyra\cyrr%
  \or%
    \CYRN\cyro\cyrv\cyre\cyrm\cyrb\cyra\cyrr%
  \or%
```

```
    \CYRD\cyre\cyrc\cyre\cyrm\cyrb\cyra\cyrr%
  \fi
}
```

\DTMserbiancyrimonthname Serbian month names, Cyrillic alphabet, i suffix for June and July, non-capitalized.

```
\newcommand*{\DTMserbiancyrimonthname}[1]{%
  \ifnum#1=6%
    \cyrje\cyru\cyrn\cyri%
  \else\ifnum\#1=7%
      \cyrje\cyru\cyrl\cyri%
    \else
      \DTMserbiancyrnoimonthname%
    \fi\fi
}
```

\DTMserbiancyriMonthname Serbian month names, Cyrillic alphabet, i suffix for June and July, capitalized.

```
\newcommand*{\DTMserbiancyriMonthname}[1]{%
  \ifnum#1=6%
    \CYRJE\cyru\cyrn\cyri%
  \else\ifnum\#1=7%
  \CYRJE\cyru\cyrl\cyri%
    \else
      \DTMserbiancyrnoimonthname%
    \fi\fi
}
```

### *2.3.5 Cyrillic days of week, Ekavian pronunciation*

\DTMserbiancyrekweekdayname Serbian weekday names, Cyrillic alphabet, Ekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbiancyrekweekdayname}[1]{%
  \ifcase#1
    \cyrp\cyro\cyrn\cyre\cyrd\cyre\cyrlje\cyra\cyrk%
  \or%
    \cyru\cyrt\cyro\cyrr\cyra\cyrk%
  \or%
    \cyrs\cyrr\cyre\cyrd\cyra%
  \or%
    \cyrch\cyre\cyrt\cyrv\cyrr\cyrt\cyra\cyrk%
  \or%
    \cyrp\cyre\cyrt\cyra\cyrk%
  \or%
    \cyrs\cyru\cyrb\cyro\cyrt\cyra%
  \or%
    \cyrn\cyre\cyrd\cyre\cyrlje\cyra%
  \fi%
}
```

\DTMserbiancyrekWeekdayname Serbian weekday names, Cyrillic alphabet, Ekavian pronunciation, capitalized

```
\newcommand*{\DTMserbiancyrekWeekdayname}[1]{%
  \ifcase#1
    \CYRP\cyro\cyrn\cyre\cyrd\cyre\cyrlje\cyra\cyrk%
  \or%
    \CYRU\cyrt\cyro\cyrr\cyra\cyrk%
  \or%
```

```
    \CYRS\cyrr\cyre\cyrd\cyra%
  \or%
    \CYRCH\cyre\cyrt\cyrv\cyrr\cyrt\cyra\cyrk%
  \or%
    \CYRP\cyre\cyrt\cyra\cyrk%
  \or%
    \CYRS\cyru\cyrb\cyro\cyrt\cyra%
  \or%
    \CYRN\cyre\cyrd\cyre\cyrlje\cyra%
  \fi%
}
```

#### 2.3.6 Cyrillic days of week, Ijekavian pronunciation

\DTMserbiancyrijweekdayname Serbian weekday names, Cyrillic alphabet, Ijekavian pronunciation, non-capitalized

```
\newcommand*{\DTMserbiancyrijweekdayname}[1]{%
  \ifcase#1
    \cyrp\cyro\cyrn\cyre\cyrd\cyrje\cyre\cyrlje\cyra\cyrk%
  \or%
    \cyru\cyrt\cyro\cyrr\cyra\cyrk%
  \or%
    \cyrs\cyrr\cyri\cyrje\cyre\cyrd\cyra%
  \or%
    \cyrch\cyre\cyrt\cyrv\cyrr\cyrt\cyra\cyrk%
  \or%
    \cyrp\cyre\cyrt\cyra\cyrk%
  \or%
    \cyrs\cyru\cyrb\cyro\cyrt\cyra%
  \or%
    \cyrn\cyre\cyrd\cyrje\cyre\cyrlje\cyra%
  \fi%
}
```

\DTMserbiancyrijWeekdayname Serbian weekday names, Cyrillic alphabet, Ijekavian pronunciation, capitalized

```
\newcommand*{\DTMserbiancyrijWeekdayname}[1]{%
  \ifcase#1
    \CYRP\cyro\cyrn\cyre\cyrd\cyrje\cyre\cyrlje\cyra\cyrk%
  \or%
    \CYRU\cyrt\cyro\cyrr\cyra\cyrk%
  \or%
    \CYRS\cyrr\cyri\cyrje\cyre\cyrd\cyra%
  \or%
    \CYRCH\cyre\cyrt\cyrv\cyrr\cyrt\cyra\cyrk%
  \or%
    \CYRP\cyre\cyrt\cyra\cyrk%
  \or%
    \CYRS\cyru\cyrb\cyro\cyrt\cyra%
  \or%
    \CYRN\cyre\cyrd\cyrje\cyre\cyrlje\cyra%
  \fi%
}
```

### 2.4 Serbian serbian Code (datetime2-serbian.ldf)

```
\ProvidesDateTimeModule{serbian}[2019/11/22 v2.1.0]
```

Load base Serbian module.

```
\RequireDateTimeModule{serbian-base}
```

### 2.4.1 Defining the serbian style

Allow the user a way of configuring the `serbian` and `serbian-numeric` styles by providing macros for various format elements.

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

`\DTMserbiandowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMserbiandowdaysep}{,\space}
```

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

```
\newcommand*{\DTMserbiandaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMserbianmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMserbiandatetimesep}{\space}
```

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

```
\newcommand*{\DTMserbiantimezonesep}{\space}
```

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

```
\newcommand*{\DTMserbiandatesep}{.}
```

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

```
\newcommand*{\DTMserbiantimesep}{.}
```

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

```
\DTMdefkey{serbian}{dowdaysep}%
    {\renewcommand*{\DTMserbiandowdaysep}{#1}}
\DTMdefkey{serbian}{daymonthsep}%
    {\renewcommand*{\DTMserbiandaymonthsep}{#1}}
\DTMdefkey{serbian}{monthyearsep}%
    {\renewcommand*{\DTMserbianmonthyearsep}{#1}}
\DTMdefkey{serbian}{datetimesep}%
    {\renewcommand*{\DTMserbiandatetimesep}{#1}}
\DTMdefkey{serbian}{timezonesep}%
    {\renewcommand*{\DTMserbiantimezonesep}{#1}}
\DTMdefkey{serbian}{datesep}%
    {\renewcommand*{\DTMserbiandatesep}{#1}}
\DTMdefkey{serbian}{timesep}%
    {\renewcommand*{\DTMserbiantimesep}{#1}}
```

### 2.4.2 Switches and settings

\DTMserbianweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMserbianweekdayname}%
{\DTMserbianlatekweekdayname}
```

\DTMserbianweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMserbianWeekdayname}%
    {\DTMserbianlatekWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{serbian}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMserbianweekdayname}%
        {\DTMserbianlatekweekdayname}%
    \renewcommand*{\DTMserbianWeekdayname}%
        {\DTMserbianlatekWeekdayname}%
  \or%
    \renewcommand*{\DTMserbianweekdayname}%
        {\DTMserbianlatijweekdayname}%
    \renewcommand*{\DTMserbianWeekdayname}
        {\DTMserbianlatijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{serbian}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{serbian}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{serbian}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{serbian}{leadingzero}{false}
```

\DTMserbiandayordinal Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMserbiandayordinal}[1]{%
      \DTMifbool{serbian}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMserbiandatesep}%
```

Define the month names.

\DTMserbiannoimonthname

```
\newcommand*{\DTMserbiannoimonthname}{\DTMserbianlatnoimonthname}
```

\DTMserbiannoiMonthname

```
\newcommand*{\DTMserbiannoiMonthname}{\DTMserbianlatnoiMonthname}
```

\DTMserbianimonthname

```
\newcommand*{\DTMserbianimonthname}{\DTMserbianlatimonthname}
```

\DTMserbianiMonthname

```
\newcommand*{\DTMserbianiMonthname}{\DTMserbianlatiMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{serbian}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{serbian}{mapzone}{true}
```

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

```
\DTMdefboolkey{serbian}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{serbian}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{serbian}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{serbian}{showyear}{true}
```

```
\DTMnewstyle%
{serbian}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbianweekdayname{##4}%
        \DTMserbiandowdaysep%
      \fi
    \fi
    \DTMifbool{serbian}{showdayofmonth}
      {\DTMserbiandayordinal{##3}\DTMserbiandaymonthsep}%
      {}%
    \DTMifbool{serbian}{monthi}%
      {\DTMserbianimonthname{##2}}%
      {\DTMserbiannoimonthname{##2}}%
    \DTMifbool{serbian}{showyear}%
    {%
      \DTMserbianmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbianWeekdayname{##4}%
        \DTMserbiandowdaysep%
      \fi
    \fi
    \DTMifbool{serbian}{showdayofmonth}
    {%
      \DTMserbiandayordinal{##3}\DTMserbiandaymonthsep%
      \DTMifbool{serbian}{monthi}%
        {\DTMserbianimonthname{##2}}%
```

```
        {\DTMserbiannoimonthname{##2}}%
    }%
    {%
      \DTMifbool{serbian}{monthi}%
        {\DTMserbianiMonthname{##2}}%
        {\DTMserbiannoiMonthname{##2}}%
    }%
    \DTMifbool{serbian}{showyear}%
    {%
      \DTMserbianmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{serbian}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMserbiantimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMserbiantimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMserbianzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{serbian}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMserbiantimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiandatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbiantimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiandatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbiantimezonesep%
```

```
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMserbianmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMserbianmonthordinal}[1]{%
      \DTMifbool{serbian}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `serbian-numeric` style.

```
\DTMdefchoicekey{serbian}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMserbianmonthordinal}[1]{%
       \DTMifbool{serbian}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMserbiandatesep}%
 \or%
   \renewcommand*{\DTMserbianmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMserbianmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{serbian-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbianweekdayname{##4}%
        \DTMserbiandowdaysep%
      \fi
    \fi
    \DTMifbool{serbian}{showdayofmonth}%
    {\DTMserbiandayordinal{##3}\DTMserbiandaymonthsep}%
    {}%
    \DTMserbianmonthordinal{##2}%
    \DTMifbool{serbian}{showyear}%
    {%
      \DTMserbianmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbianWeekdayname{##4}%
        \DTMserbiandowdaysep%
```

```
      \fi
    \fi
    \DTMifbool{serbian}{showdayofmonth}%
    {\DTMserbiandayordinal{##3}\DTMserbiandaymonthsep}%
    {}%
    \DTMserbianmonthordinal{##2}%
    \DTMifbool{serbian}{showyear}%
    {%
      \DTMserbianmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{serbian}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMserbiantimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMserbiantimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMserbianzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{serbian}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMserbiantimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiandatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbiantimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMserbianzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
```

```
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{serbian}}%
{\DTMsetstyle{serbian-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbian%
  {% do nothing
  }%
  {%
    \def\dateserbian{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{serbian}}%
      {\DTMsetstyle{serbian-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
      {\DTMsetstyle{serbian}}%
      {\DTMsetstyle{serbian-numeric}}%
  }%
}%
```

## 2.5 Serbian sr-Latn Code (`datetime2-sr-Latn.ldf`)

```
\ProvidesDateTimeModule{sr-Latn}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbian}
```

### 2.5.1 *Defining the sr-Latn style*

Allow the user a way of configuring the `sr-Latn` and `sr-Latn-numeric` styles by providing macros for various format elements.

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

`\DTMsrLatndowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrLatndowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrLatndaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrLatnmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrLatndatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrLatntimezonesep}{\space}
```

\DTMsrLatndatesep The separator for the numeric date format.

```
\newcommand*{\DTMsrLatndatesep}{.}
```

\DTMsrLatntimesep The separator for the numeric time format.

```
\newcommand*{\DTMsrLatntimesep}{.}
```

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

```
\DTMdefkey{sr-Latn}{dowdaysep}%
    {\renewcommand*{\DTMsr-Latndowdaysep}{#1}}
\DTMdefkey{sr-Latn}{daymonthsep}%
    {\renewcommand*{\DTMsr-Latndaymonthsep}{#1}}
\DTMdefkey{sr-Latn}{monthyearsep}%
    {\renewcommand*{\DTMsr-Latnmonthyearsep}{#1}}
\DTMdefkey{sr-Latn}{datetimesep}%
    {\renewcommand*{\DTMsr-Latndatetimesep}{#1}}
\DTMdefkey{sr-Latn}{timezonesep}%
    {\renewcommand*{\DTMsr-Latntimezonesep}{#1}}
\DTMdefkey{sr-Latn}{datesep}%
    {\renewcommand*{\DTMsr-Latndatesep}{#1}}
\DTMdefkey{sr-Latn}{timesep}%
    {\renewcommand*{\DTMsr-Latntimesep}{#1}}
```

### 2.5.2 Switches and settings

\DTMsrLatnweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMsrLatnweekdayname}%
{\DTMserbianlatekweekdayname}
```

\DTMsrLatnweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrLatnWeekdayname}%
    {\DTMserbianlatekWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Latn}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrLatnweekdayname}%
        {\DTMserbianlatekweekdayname}%
    \renewcommand*{\DTMsrLatnWeekdayname}%
        {\DTMserbianlatekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrLatnweekdayname}%
        {\DTMserbianlatijweekdayname}%
    \renewcommand*{\DTMsrLatnWeekdayname}
```

```
        {\DTMserbianlatijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Latn}{monthi}[true]{}
```

The default is without the i suffix.

```
\DTMsetbool{sr-Latn}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Latn}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Latn}{leadingzero}{false}
```

`\DTMsrLatndayordinal` Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMsrLatndayordinal}[1]{%
      \DTMifbool{sr-Latn}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMsrLatndatesep}%
```

Define the month names.

`\DTMsrLatnnoimonthname`

```
\newcommand*{\DTMsrLatnnoimonthname}{\DTMserbianlatnoimonthname}
```

`\DTMsrLatnnoiMonthname`

```
\newcommand*{\DTMsrLatnnoiMonthname}{\DTMserbianlatnoiMonthname}
```

`\DTMsrLatnimonthname`

```
\newcommand*{\DTMsrLatnimonthname}{\DTMserbianlatimonthname}
```

`\DTMsrLatniMonthname`

```
\newcommand*{\DTMsrLatniMonthname}{\DTMserbianlatiMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Latn}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Latn}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Latn}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Latn}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Latn}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Latn}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Latn}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnweekdayname{##4}%
        \DTMsrLatndowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn}{showdayofmonth}
      {\DTMsrLatndayordinal{##3}\DTMsrLatndaymonthsep}%
      {}%
    \DTMifbool{sr-Latn}{monthi}%
      {\DTMsrLatnimonthname{##2}}%
      {\DTMsrLatnnoimonthname{##2}}%
    \DTMifbool{sr-Latn}{showyear}%
    {%
      \DTMsrLatnmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnWeekdayname{##4}%
        \DTMsrLatndowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn}{showdayofmonth}
    {%
      \DTMsrLatndayordinal{##3}\DTMsrLatndaymonthsep%
      \DTMifbool{sr-Latn}{monthi}%
        {\DTMsrLatnimonthname{##2}}%
        {\DTMsrLatnnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Latn}{monthi}%
        {\DTMsrLatniMonthname{##2}}%
        {\DTMsrLatnnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Latn}{showyear}%
    {%
      \DTMsrLatnmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatntimesep\DTMtwodigits{##2}%
```

```
    \ifDTMshowseconds\DTMsrLatntimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatntimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatndatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatntimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatndatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatntimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrLatnmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrLatnmonthordinal}[1]{%
      \DTMifbool{sr-Latn}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srLatn-numeric` style.

```
\DTMdefchoicekey{sr-Latn}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrLatnmonthordinal}[1]{%
       \DTMifbool{sr-Latn}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrLatndatesep}%
 \or%
   \renewcommand*{\DTMsrLatnmonthordinal}[1]{%
```

```
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
  \or%
    \renewcommand*{\DTMsrLatnmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
  \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Latn-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnweekdayname{##4}%
        \DTMsrLatndowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn}{showdayofmonth}%
    {\DTMsrLatndayordinal{##3}\DTMsrLatndaymonthsep}%
    {}%
    \DTMsrLatnmonthordinal{##2}%
    \DTMifbool{sr-Latn}{showyear}%
    {%
      \DTMsrLatnmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnWeekdayname{##4}%
        \DTMsrLatndowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn}{showdayofmonth}%
    {\DTMsrLatndayordinal{##3}\DTMsrLatndaymonthsep}%
    {}%
    \DTMsrLatnmonthordinal{##2}%
    \DTMifbool{sr-Latn}{showyear}%
    {%
      \DTMsrLatnmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatntimesep\DTMtwodigits{##2}%
```

```
    \ifDTMshowseconds\DTMsrLatntimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatntimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatndatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatntimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrLatnzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Latn}}%
{\DTMsetstyle{sr-Latn-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbian%
  {% do nothing
  }%
  {%
    \def\dateserbian{%
      \DTMifcaseregional%
      {}% do nothing
```

```
      {\DTMsetstyle{sr-Latn}}%
      {\DTMsetstyle{sr-Latn-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing

      {\DTMsetstyle{sr-Latn}}%
      {\DTMsetstyle{sr-Latn-numeric}}%
  }%
}%
```

### 2.6 Serbian sr-Latn-RS Code (`datetime2-sr-Latn-RS.ldf`)

```
\ProvidesDateTimeModule{sr-Latn-RS}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbian}
```

#### 2.6.1 *Defining the sr-Latn-RS style*

Allow the user a way of configuring the `sr-Latn-RS` and `sr-Latn-RS-numeric` styles by providing macros for various format elements.

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

`\DTMsrLatnRSdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrLatnRSdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrLatnRSdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrLatnRSmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrLatnRSdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrLatnRStimezonesep}{\space}
```

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

```
\newcommand*{\DTMsrLatnRSdatesep}{.}
```

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

```
\newcommand*{\DTMsrLatnRStimesep}{.}
```

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

```
\DTMdefkey{sr-Latn-RS}{dowdaysep}%
    {\renewcommand*{\DTMsr-Latn-RSdowdaysep}{#1}}
\DTMdefkey{sr-Latn-RS}{daymonthsep}%
    {\renewcommand*{\DTMsr-Latn-RSdaymonthsep}{#1}}
\DTMdefkey{sr-Latn-RS}{monthyearsep}%
    {\renewcommand*{\DTMsr-Latn-RSmonthyearsep}{#1}}
\DTMdefkey{sr-Latn-RS}{datetimesep}%
    {\renewcommand*{\DTMsr-Latn-RSdatetimesep}{#1}}
\DTMdefkey{sr-Latn-RS}{timezonesep}%
    {\renewcommand*{\DTMsr-Latn-RStimezonesep}{#1}}
\DTMdefkey{sr-Latn-RS}{datesep}%
    {\renewcommand*{\DTMsr-Latn-RSdatesep}{#1}}
\DTMdefkey{sr-Latn-RS}{timesep}%
    {\renewcommand*{\DTMsr-Latn-RStimesep}{#1}}
```

### 2.6.2 Switches and settings

`\DTMsrLatnRSweekdayname` Define the weekday name, lowercase.

```
\newcommand*{\DTMsrLatnRSweekdayname}%
{\DTMserbianlatekweekdayname}
```

`\DTMsrLatnRSweekdayname` Define the weekday name, capitalized.

```
\newcommand*{\DTMsrLatnRSWeekdayname}%
    {\DTMserbianlatekWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Latn-RS}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrLatnRSweekdayname}%
        {\DTMserbianlatekweekdayname}%
    \renewcommand*{\DTMsrLatnRSWeekdayname}%
        {\DTMserbianlatekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrLatnRSweekdayname}%
        {\DTMserbianlatijweekdayname}%
    \renewcommand*{\DTMsrLatnRSWeekdayname}
        {\DTMserbianlatijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Latn-RS}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{sr-Latn-RS}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Latn-RS}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Latn-RS}{leadingzero}{false}
```

\DTMsrLatnRSdayordinal Define the day ordinal format to be used by this style.

```
\newcommand*{\DTMsrLatnRSdayordinal}[1]{%
    \DTMifbool{sr-Latn-RS}{leadingzero}%
    {\DTMtwodigits{#1}}%
    {\number#1}\DTMsrLatnRSdatesep}%
```

Define the month names.

\DTMsrLatnRSnoimonthname

```
\newcommand*{\DTMsrLatnRSnoimonthname}{\DTMserbianlatnoimonthname}
```

\DTMsrLatnRSnoiMonthname

```
\newcommand*{\DTMsrLatnRSnoiMonthname}{\DTMserbianlatnoiMonthname}
```

\DTMsrLatnRSimonthname

```
\newcommand*{\DTMsrLatnRSimonthname}{\DTMserbianlatimonthname}
```

\DTMsrLatnRSiMonthname

```
\newcommand*{\DTMsrLatnRSiMonthname}{\DTMserbianlatiMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Latn-RS}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Latn-RS}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Latn-RS}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Latn-RS}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Latn-RS}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Latn-RS}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Latn-RS}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnRSweekdayname{##4}%
        \DTMsrLatnRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-RS}{showdayofmonth}
      {\DTMsrLatnRSdayordinal{##3}\DTMsrLatnRSdaymonthsep}%
      {}%
    \DTMifbool{sr-Latn-RS}{monthi}%
      {\DTMsrLatnRSimonthname{##2}}%
      {\DTMsrLatnRSnoimonthname{##2}}%
    \DTMifbool{sr-Latn-RS}{showyear}%
    {%
      \DTMsrLatnRSmonthyearsep%
```

```
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnRSWeekdayname{##4}%
        \DTMsrLatnRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-RS}{showdayofmonth}
    {%
      \DTMsrLatnRSdayordinal{##3}\DTMsrLatnRSdaymonthsep%
      \DTMifbool{sr-Latn-RS}{monthi}%
        {\DTMsrLatnRSimonthname{##2}}%
        {\DTMsrLatnRSnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Latn-RS}{monthi}%
        {\DTMsrLatnRSiMonthname{##2}}%
        {\DTMsrLatnRSnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Latn-RS}{showyear}%
    {%
      \DTMsrLatnRSmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-RS}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnRStimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnRStimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnRSzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-RS}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnRStimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
```

```
      \DTMsrLatnRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrLatnRSmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrLatnRSmonthordinal}[1]{%
      \DTMifbool{sr-Latn-RS}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srLatnRS-numeric` style.

```
\DTMdefchoicekey{sr-Latn-RS}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrLatnRSmonthordinal}[1]{%
       \DTMifbool{sr-Latn-RS}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrLatnRSdatesep}%
 \or%
   \renewcommand*{\DTMsrLatnRSmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMsrLatnRSmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Latn-RS-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnRSweekdayname{##4}%
        \DTMsrLatnRSdowdaysep%
      \fi
    \fi
```

```
    \DTMifbool{sr-Latn-RS}{showdayofmonth}%
    {\DTMsrLatnRSdayordinal{##3}\DTMsrLatnRSdaymonthsep}%
    {}%
    \DTMsrLatnRSmonthordinal{##2}%
    \DTMifbool{sr-Latn-RS}{showyear}%
    {%
      \DTMsrLatnRSmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnRSWeekdayname{##4}%
        \DTMsrLatnRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-RS}{showdayofmonth}%
    {\DTMsrLatnRSdayordinal{##3}\DTMsrLatnRSdaymonthsep}%
    {}%
    \DTMsrLatnRSmonthordinal{##2}%
    \DTMifbool{sr-Latn-RS}{showyear}%
    {%
      \DTMsrLatnRSmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-RS}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnRStimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnRStimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnRSzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-RS}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnRStimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
```

```
      \DTMsrLatnRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrLatnRSzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Latn-RS}}%
{\DTMsetstyle{sr-Latn-RS-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbian%
  {% do nothing
  }%
  {%
    \def\dateserbian{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Latn-RS}}%
      {\DTMsetstyle{sr-Latn-RS-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing

      {\DTMsetstyle{sr-Latn-RS}}%
      {\DTMsetstyle{sr-Latn-RS-numeric}}%
  }%
}%
```

### 2.7 Serbian sr-Latn-ME Code (`datetime2-sr-Latn-ME.ldf`)

```
\ProvidesDateTimeModule{sr-Latn-ME}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbian}
```

### 2.7.1 Defining the sr-Latn-ME style

Allow the user a way of configuring the `sr-Latn-ME` and `sr-Latn-ME-numeric` styles by providing macros for various format elements.

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

`\DTMsrLatnMEdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrLatnMEdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrLatnMEdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrLatnMEmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrLatnMEdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrLatnMEtimezonesep}{\space}
```

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

```
\newcommand*{\DTMsrLatnMEdatesep}{.}
```

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

```
\newcommand*{\DTMsrLatnMEtimesep}{.}
```

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

```
\DTMdefkey{sr-Latn-ME}{dowdaysep}%
    {\renewcommand*{\DTMsr-Latn-MEdowdaysep}{#1}}
\DTMdefkey{sr-Latn-ME}{daymonthsep}%
    {\renewcommand*{\DTMsr-Latn-MEdaymonthsep}{#1}}
\DTMdefkey{sr-Latn-ME}{monthyearsep}%
    {\renewcommand*{\DTMsr-Latn-MEmonthyearsep}{#1}}
\DTMdefkey{sr-Latn-ME}{datetimesep}%
    {\renewcommand*{\DTMsr-Latn-MEdatetimesep}{#1}}
\DTMdefkey{sr-Latn-ME}{timezonesep}%
    {\renewcommand*{\DTMsr-Latn-MEtimezonesep}{#1}}
\DTMdefkey{sr-Latn-ME}{datesep}%
    {\renewcommand*{\DTMsr-Latn-MEdatesep}{#1}}
\DTMdefkey{sr-Latn-ME}{timesep}%
    {\renewcommand*{\DTMsr-Latn-MEtimesep}{#1}}
```

### 2.7.2 Switches and settings

`\DTMsrLatnMEweekdayname` Define the weekday name, lowercase.

```
\newcommand*{\DTMsrLatnMEweekdayname}%
{\DTMserbianlatijweekdayname}
```

\DTMsrLatnMEweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrLatnMEWeekdayname}%
    {\DTMserbianlatijWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Latn-ME}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrLatnMEweekdayname}%
        {\DTMserbianlatekweekdayname}%
    \renewcommand*{\DTMsrLatnMEWeekdayname}%
        {\DTMserbianlatekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrLatnMEweekdayname}%
        {\DTMserbianlatijweekdayname}%
    \renewcommand*{\DTMsrLatnMEWeekdayname}
        {\DTMserbianlatijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Latn-ME}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{sr-Latn-ME}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Latn-ME}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Latn-ME}{leadingzero}{false}
```

\DTMsrLatnMEdayordinal Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMsrLatnMEdayordinal}[1]{%
      \DTMifbool{sr-Latn-ME}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMsrLatnMEdatesep}%
```

Define the month names.

\DTMsrLatnMEnoimonthname

```
\newcommand*{\DTMsrLatnMEnoimonthname}{\DTMserbianlatnoimonthname}
```

\DTMsrLatnMEnoiMonthname

```
\newcommand*{\DTMsrLatnMEnoiMonthname}{\DTMserbianlatnoiMonthname}
```

\DTMsrLatnMEimonthname

```
\newcommand*{\DTMsrLatnMEimonthname}{\DTMserbianlatimonthname}
```

\DTMsrLatnMEiMonthname

```
\newcommand*{\DTMsrLatnMEiMonthname}{\DTMserbianlatiMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Latn-ME}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Latn-ME}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Latn-ME}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Latn-ME}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Latn-ME}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Latn-ME}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Latn-ME}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnMEweekdayname{##4}%
        \DTMsrLatnMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-ME}{showdayofmonth}
      {\DTMsrLatnMEdayordinal{##3}\DTMsrLatnMEdaymonthsep}%
      {}%
    \DTMifbool{sr-Latn-ME}{monthi}%
      {\DTMsrLatnMEimonthname{##2}}%
      {\DTMsrLatnMEnoimonthname{##2}}%
    \DTMifbool{sr-Latn-ME}{showyear}%
    {%
      \DTMsrLatnMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnMEWeekdayname{##4}%
        \DTMsrLatnMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-ME}{showdayofmonth}
    {%
      \DTMsrLatnMEdayordinal{##3}\DTMsrLatnMEdaymonthsep%
      \DTMifbool{sr-Latn-ME}{monthi}%
        {\DTMsrLatnMEimonthname{##2}}%
        {\DTMsrLatnMEnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Latn-ME}{monthi}%
        {\DTMsrLatnMEiMonthname{##2}}%
        {\DTMsrLatnMEnoiMonthname{##2}}%
```

```
    }%
    \DTMifbool{sr-Latn-ME}{showyear}%
    {%
      \DTMsrLatnMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-ME}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnMEtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnMEtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnMEzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-ME}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnMEtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrLatnMEmonthordinal Define the month ordinal format to be used by this style.

```
\newcommand*{\DTMsrLatnMEmonthordinal}[1]{%
    \DTMifbool{sr-Latn-ME}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srLatnME-numeric` style.

```
\DTMdefchoicekey{sr-Latn-ME}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
  \renewcommand*{\DTMsrLatnMEmonthordinal}[1]{%
      \DTMifbool{sr-Latn-ME}{leadingzero}%
        {\DTMtwodigits{##1}}{\number##1}\DTMsrLatnMEdatesep}%
 \or%
  \renewcommand*{\DTMsrLatnMEmonthordinal}[1]{%
   \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
   {serbianordinalROMAN{##1}}}%
 \or%
  \renewcommand*{\DTMsrLatnMEmonthordinal}[1]{%
   \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
   {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Latn-ME-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnMEweekdayname{##4}%
        \DTMsrLatnMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-ME}{showdayofmonth}%
    {\DTMsrLatnMEdayordinal{##3}\DTMsrLatnMEdaymonthsep}%
    {}%
    \DTMsrLatnMEmonthordinal{##2}%
    \DTMifbool{sr-Latn-ME}{showyear}%
    {%
      \DTMsrLatnMEmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnMEWeekdayname{##4}%
        \DTMsrLatnMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-ME}{showdayofmonth}%
    {\DTMsrLatnMEdayordinal{##3}\DTMsrLatnMEdaymonthsep}%
    {}%
```

```
    \DTMsrLatnMEmonthordinal{##2}%
    \DTMifbool{sr-Latn-ME}{showyear}%
    {%
      \DTMsrLatnMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-ME}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnMEtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnMEtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnMEzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-ME}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnMEtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrLatnMEzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
```

```
{\DTMsetstyle{sr-Latn-ME}}%
{\DTMsetstyle{sr-Latn-ME-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbian%
  {% do nothing
  }%
  {%
    \def\dateserbian{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Latn-ME}}%
      {\DTMsetstyle{sr-Latn-ME-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
      {\DTMsetstyle{sr-Latn-ME}}%
      {\DTMsetstyle{sr-Latn-ME-numeric}}%
  }%
}%
```

## 2.8 Serbian sr-Latn-BA Code (`datetime2-sr-Latn-BA.ldf`)

```
\ProvidesDateTimeModule{sr-Latn-BA}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbian}
```

### 2.8.1 *Defining the sr-Latn-BA style*

Allow the user a way of configuring the `sr-Latn-BA` and `sr-Latn-BA-numeric` styles by providing macros for various format elements.

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

`\DTMsrLatnBAdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrLatnBAdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrLatnBAdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrLatnBAmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrLatnBAdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrLatnBAtimezonesep}{\space}
```

\DTMsrLatnBAdatesep The separator for the numeric date format.

```
\newcommand*{\DTMsrLatnBAdatesep}{.}
```

\DTMsrLatnBAtimesep The separator for the numeric time format.

```
\newcommand*{\DTMsrLatnBAtimesep}{.}
```

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

```
\DTMdefkey{sr-Latn-BA}{dowdaysep}%
    {\renewcommand*{\DTMsr-Latn-BAdowdaysep}{#1}}
\DTMdefkey{sr-Latn-BA}{daymonthsep}%
    {\renewcommand*{\DTMsr-Latn-BAdaymonthsep}{#1}}
\DTMdefkey{sr-Latn-BA}{monthyearsep}%
    {\renewcommand*{\DTMsr-Latn-BAmonthyearsep}{#1}}
\DTMdefkey{sr-Latn-BA}{datetimesep}%
    {\renewcommand*{\DTMsr-Latn-BAdatetimesep}{#1}}
\DTMdefkey{sr-Latn-BA}{timezonesep}%
    {\renewcommand*{\DTMsr-Latn-BAtimezonesep}{#1}}
\DTMdefkey{sr-Latn-BA}{datesep}%
    {\renewcommand*{\DTMsr-Latn-BAdatesep}{#1}}
\DTMdefkey{sr-Latn-BA}{timesep}%
    {\renewcommand*{\DTMsr-Latn-BAtimesep}{#1}}
```

### 2.8.2 Switches and settings

\DTMsrLatnBAweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMsrLatnBAweekdayname}%
{\DTMserbianlatijweekdayname}
```

\DTMsrLatnBAweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrLatnBAWeekdayname}%
    {\DTMserbianlatijWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Latn-BA}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrLatnBAweekdayname}%
        {\DTMserbianlatekweekdayname}%
    \renewcommand*{\DTMsrLatnBAWeekdayname}%
        {\DTMserbianlatekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrLatnBAweekdayname}%
        {\DTMserbianlatijweekdayname}%
    \renewcommand*{\DTMsrLatnBAWeekdayname}
        {\DTMserbianlatijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Latn-BA}{monthi}[true]{}
```

The default is without the i suffix.

```
\DTMsetbool{sr-Latn-BA}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Latn-BA}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Latn-BA}{leadingzero}{false}
```

\DTMsrLatnBAdayordinal Define the day ordinal format to be used by this style.

```
\newcommand*{\DTMsrLatnBAdayordinal}[1]{%
    \DTMifbool{sr-Latn-BA}{leadingzero}%
    {\DTMtwodigits{#1}}%
    {\number#1}\DTMsrLatnBAdatesep}%
```

Define the month names.

\DTMsrLatnBAnoimonthname

```
\newcommand*{\DTMsrLatnBAnoimonthname}{\DTMserbianlatnoimonthname}
```

\DTMsrLatnBAnoiMonthname

```
\newcommand*{\DTMsrLatnBAnoiMonthname}{\DTMserbianlatnoiMonthname}
```

\DTMsrLatnBAimonthname

```
\newcommand*{\DTMsrLatnBAimonthname}{\DTMserbianlatimonthname}
```

\DTMsrLatnBAiMonthname

```
\newcommand*{\DTMsrLatnBAiMonthname}{\DTMserbianlatiMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Latn-BA}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Latn-BA}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Latn-BA}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Latn-BA}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Latn-BA}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Latn-BA}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Latn-BA}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnBAweekdayname{##4}%
        \DTMsrLatnBAdowdaysep%
      \fi
```

```
    \fi
    \DTMifbool{sr-Latn-BA}{showdayofmonth}
      {\DTMsrLatnBAdayordinal{##3}\DTMsrLatnBAdaymonthsep}%
      {}%
    \DTMifbool{sr-Latn-BA}{monthi}%
      {\DTMsrLatnBAimonthname{##2}}%
      {\DTMsrLatnBAnoimonthname{##2}}%
    \DTMifbool{sr-Latn-BA}{showyear}%
    {%
      \DTMsrLatnBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnBAWeekdayname{##4}%
        \DTMsrLatnBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-BA}{showdayofmonth}
    {%
      \DTMsrLatnBAdayordinal{##3}\DTMsrLatnBAdaymonthsep%
      \DTMifbool{sr-Latn-BA}{monthi}%
        {\DTMsrLatnBAimonthname{##2}}%
        {\DTMsrLatnBAnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Latn-BA}{monthi}%
        {\DTMsrLatnBAiMonthname{##2}}%
        {\DTMsrLatnBAnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Latn-BA}{showyear}%
    {%
      \DTMsrLatnBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-BA}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnBAtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnBAtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnBAzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-BA}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
```

```
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnBAtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrLatnBAmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrLatnBAmonthordinal}[1]{%
      \DTMifbool{sr-Latn-BA}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srLatnBA-numeric` style.

```
\DTMdefchoicekey{sr-Latn-BA}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrLatnBAmonthordinal}[1]{%
       \DTMifbool{sr-Latn-BA}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrLatnBAdatesep}%
 \or%
   \renewcommand*{\DTMsrLatnBAmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMsrLatnBAmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Latn-BA-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnBAweekdayname{##4}%
        \DTMsrLatnBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-BA}{showdayofmonth}%
    {\DTMsrLatnBAdayordinal{##3}\DTMsrLatnBAdaymonthsep}%
    {}%
    \DTMsrLatnBAmonthordinal{##2}%
    \DTMifbool{sr-Latn-BA}{showyear}%
    {%
      \DTMsrLatnBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrLatnBAWeekdayname{##4}%
        \DTMsrLatnBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Latn-BA}{showdayofmonth}%
    {\DTMsrLatnBAdayordinal{##3}\DTMsrLatnBAdaymonthsep}%
    {}%
    \DTMsrLatnBAmonthordinal{##2}%
    \DTMifbool{sr-Latn-BA}{showyear}%
    {%
      \DTMsrLatnBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Latn-BA}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrLatnBAtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrLatnBAtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrLatnBAzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Latn-BA}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
```

```
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrLatnBAtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrLatnBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrLatnBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrLatnBAzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Latn-BA}}%
{\DTMsetstyle{sr-Latn-BA-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbian%
  {% do nothing
  }%
  {%
    \def\dateserbian{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Latn-BA}}%
      {\DTMsetstyle{sr-Latn-BA-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
```

```
      {\DTMsetstyle{sr-Latn-BA}}%
      {\DTMsetstyle{sr-Latn-BA-numeric}}%
  }%
}%
```

## 2.9 Serbian serbianc Code (datetime2-serbianc.ldf)

```
\ProvidesDateTimeModule{serbianc}[2019/11/22 v2.1.0]
```

Load base Serbian module.

```
\RequireDateTimeModule{serbian-base}
```

### 2.9.1 Defining the serbianc style

Allow the user a way of configuring the serbianc and serbianc-numeric styles by providing macros for various format elements.

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

\DTMserbiancdowdaysep The separator between weekday and day.

```
\newcommand*{\DTMserbiancdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMserbiancdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMserbiancmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMserbiancdatetimesep}{\space}
```

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

```
\newcommand*{\DTMserbianctimezonesep}{\space}
```

\DTMserbiancdatesep The separator for the numeric date format.

```
\newcommand*{\DTMserbiancdatesep}{.}
```

\DTMserbianctimesep The separator for the numeric time format.

```
\newcommand*{\DTMserbianctimesep}{.}
```

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

```
\DTMdefkey{serbianc}{dowdaysep}%
    {\renewcommand*{\DTMserbiancdowdaysep}{#1}}
\DTMdefkey{serbianc}{daymonthsep}%
    {\renewcommand*{\DTMserbiancdaymonthsep}{#1}}
\DTMdefkey{serbianc}{monthyearsep}%
    {\renewcommand*{\DTMserbiancmonthyearsep}{#1}}
\DTMdefkey{serbianc}{datetimesep}%
    {\renewcommand*{\DTMserbiancdatetimesep}{#1}}
\DTMdefkey{serbianc}{timezonesep}%
    {\renewcommand*{\DTMserbianctimezonesep}{#1}}
\DTMdefkey{serbianc}{datesep}%
```

```
    {\renewcommand*{\DTMserbiancdatesep}{#1}}
\DTMdefkey{serbianc}{timesep}%
    {\renewcommand*{\DTMserbianctimesep}{#1}}
```

### 2.9.2 Switches and settings

\DTMserbiancweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMserbiancweekdayname}%
{\DTMserbiancyrekweekdayname}
```

\DTMserbiancweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMserbiancWeekdayname}%
    {\DTMserbiancyrekWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{serbianc}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMserbiancweekdayname}%
        {\DTMserbiancyrekweekdayname}%
    \renewcommand*{\DTMserbiancWeekdayname}%
        {\DTMserbiancyrekWeekdayname}%
  \or%
    \renewcommand*{\DTMserbiancweekdayname}%
        {\DTMserbiancyrijweekdayname}%
    \renewcommand*{\DTMserbiancWeekdayname}
        {\DTMserbiancyrijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{serbianc}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{serbianc}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{serbianc}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{serbianc}{leadingzero}{false}
```

\DTMserbiancdayordinal Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMserbiancdayordinal}[1]{%
      \DTMifbool{serbianc}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMserbiancdatesep}%
```

Define the month names.

\DTMserbiancnoimonthname

```
\newcommand*{\DTMserbiancnoimonthname}{\DTMserbiancyrnoimonthname}
```

\DTMserbiancnoiMonthname

```
\newcommand*{\DTMserbiancnoiMonthname}{\DTMserbiancyrnoiMonthname}
```

\DTMserbiancimonthname

```
\newcommand*{\DTMserbiancimonthname}{\DTMserbiancyrimonthname}
```

\DTMserbianciMonthname

```
\newcommand*{\DTMserbianciMonthname}{\DTMserbiancyriMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{serbianc}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{serbianc}{mapzone}{true}
```

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

```
\DTMdefboolkey{serbianc}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{serbianc}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{serbianc}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{serbianc}{showyear}{true}

\DTMnewstyle%
{serbianc}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbiancweekdayname{##4}%
        \DTMserbiancdowdaysep%
      \fi
    \fi
    \DTMifbool{serbianc}{showdayofmonth}
      {\DTMserbiancdayordinal{##3}\DTMserbiancdaymonthsep}%
      {}%
    \DTMifbool{serbianc}{monthi}%
      {\DTMserbiancimonthname{##2}}%
      {\DTMserbiancnoimonthname{##2}}%
    \DTMifbool{serbianc}{showyear}%
    {%
      \DTMserbiancmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbiancWeekdayname{##4}%
        \DTMserbiancdowdaysep%
      \fi
    \fi
    \DTMifbool{serbianc}{showdayofmonth}
    {%
```

```
      \DTMserbiancdayordinal{##3}\DTMserbiancdaymonthsep%
      \DTMifbool{serbianc}{monthi}%
        {\DTMserbiancimonthname{##2}}%
        {\DTMserbiancnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{serbianc}{monthi}%
        {\DTMserbianciMonthname{##2}}%
        {\DTMserbiancnoiMonthname{##2}}%
    }%
    \DTMifbool{serbianc}{showyear}%
    {%
      \DTMserbiancmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{serbianc}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMserbianctimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMserbianctimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMserbianczonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{serbianc}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMserbianctimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiancdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbianctimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiancdatetimesep%
    \fi
```

```
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbianctimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMserbiancmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMserbiancmonthordinal}[1]{%
      \DTMifbool{serbianc}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `serbianc-numeric` style.

```
\DTMdefchoicekey{serbianc}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMserbiancmonthordinal}[1]{%
       \DTMifbool{serbianc}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMserbiancdatesep}%
 \or%
   \renewcommand*{\DTMserbiancmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMserbiancmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{serbianc-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMserbiancweekdayname{##4}%
        \DTMserbiancdowdaysep%
      \fi
    \fi
    \DTMifbool{serbianc}{showdayofmonth}%
    {\DTMserbiancdayordinal{##3}\DTMserbiancdaymonthsep}%
    {}%
    \DTMserbiancmonthordinal{##2}%
    \DTMifbool{serbianc}{showyear}%
    {%
      \DTMserbiancmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
```

```
      \ifnum##4>-1
        \DTMserbiancWeekdayname{##4}%
        \DTMserbiancdowdaysep%
      \fi
    \fi
    \DTMifbool{serbianc}{showdayofmonth}%
    {\DTMserbiancdayordinal{##3}\DTMserbiancdaymonthsep}%
    {}%
    \DTMserbiancmonthordinal{##2}%
    \DTMifbool{serbianc}{showyear}%
    {%
      \DTMserbiancmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{serbianc}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMserbianctimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMserbianctimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMserbianczonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{serbianc}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMserbianctimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMserbiancdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMserbianctimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMserbianczonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{serbianc}}%
{\DTMsetstyle{serbianc-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbianc%
  {% do nothing
  }%
  {%
    \def\dateserbianc{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{serbianc}}%
      {\DTMsetstyle{serbianc-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
      {\DTMsetstyle{serbianc}}%
      {\DTMsetstyle{serbianc-numeric}}%
  }%
}%
```

## 2.10 Serbian sr-Cyrl Code (`datetime2-sr-Cyrl.ldf`)

```
\ProvidesDateTimeModule{sr-Cyrl}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbianc}
```

### 2.10.1 Defining the sr-Cyrl style

Allow the user a way of configuring the `sr-Cyrl` and `sr-Cyrl-numeric` styles by providing macros for various format elements.

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

`\DTMsrCyrldowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrCyrldowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrCyrldaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrCyrlmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrCyrldatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrltimezonesep}{\space}
```

\DTMsrCyrldatesep The separator for the numeric date format.

```
\newcommand*{\DTMsrCyrldatesep}{.}
```

\DTMsrCyrltimesep The separator for the numeric time format.

```
\newcommand*{\DTMsrCyrltimesep}{.}
```

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

```
\DTMdefkey{sr-Cyrl}{dowdaysep}%
    {\renewcommand*{\DTMsr-Cyrldowdaysep}{#1}}
\DTMdefkey{sr-Cyrl}{daymonthsep}%
    {\renewcommand*{\DTMsr-Cyrldaymonthsep}{#1}}
\DTMdefkey{sr-Cyrl}{monthyearsep}%
    {\renewcommand*{\DTMsr-Cyrlmonthyearsep}{#1}}
\DTMdefkey{sr-Cyrl}{datetimesep}%
    {\renewcommand*{\DTMsr-Cyrldatetimesep}{#1}}
\DTMdefkey{sr-Cyrl}{timezonesep}%
    {\renewcommand*{\DTMsr-Cyrltimezonesep}{#1}}
\DTMdefkey{sr-Cyrl}{datesep}%
    {\renewcommand*{\DTMsr-Cyrldatesep}{#1}}
\DTMdefkey{sr-Cyrl}{timesep}%
    {\renewcommand*{\DTMsr-Cyrltimesep}{#1}}
```

### 2.10.2 Switches and settings

\DTMsrCyrlweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMsrCyrlweekdayname}%
{\DTMserbiancyrekweekdayname}
```

\DTMsrCyrlweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrCyrlWeekdayname}%
    {\DTMserbiancyrekWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Cyrl}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrCyrlweekdayname}%
        {\DTMserbiancyrekweekdayname}%
    \renewcommand*{\DTMsrCyrlWeekdayname}%
        {\DTMserbiancyrekWeekdayname}%
```

```
  \or%
    \renewcommand*{\DTMsrCyrlweekdayname}%
        {\DTMserbiancyrijweekdayname}%
    \renewcommand*{\DTMsrCyrlWeekdayname}
        {\DTMserbiancyrijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Cyrl}{monthi}[true]{}
```

The default is without the i suffix.

```
\DTMsetbool{sr-Cyrl}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Cyrl}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Cyrl}{leadingzero}{false}
```

`\DTMsrCyrldayordinal` Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMsrCyrldayordinal}[1]{%
      \DTMifbool{sr-Cyrl}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMsrCyrldatesep}%
```

Define the month names.

`\DTMsrCyrlnoimonthname`

```
\newcommand*{\DTMsrCyrlnoimonthname}{\DTMserbiancyrnoimonthname}
```

`\DTMsrCyrlnoiMonthname`

```
\newcommand*{\DTMsrCyrlnoiMonthname}{\DTMserbiancyrnoiMonthname}
```

`\DTMsrCyrlimonthname`

```
\newcommand*{\DTMsrCyrlimonthname}{\DTMserbiancyrimonthname}
```

`\DTMsrCyrliMonthname`

```
\newcommand*{\DTMsrCyrliMonthname}{\DTMserbiancyriMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Cyrl}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Cyrl}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Cyrl}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Cyrl}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Cyrl}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlweekdayname{##4}%
        \DTMsrCyrldowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl}{showdayofmonth}
      {\DTMsrCyrldayordinal{##3}\DTMsrCyrldaymonthsep}%
      {}%
    \DTMifbool{sr-Cyrl}{monthi}%
      {\DTMsrCyrlimonthname{##2}}%
      {\DTMsrCyrlnoimonthname{##2}}%
    \DTMifbool{sr-Cyrl}{showyear}%
    {%
      \DTMsrCyrlmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlWeekdayname{##4}%
        \DTMsrCyrldowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl}{showdayofmonth}
    {%
      \DTMsrCyrldayordinal{##3}\DTMsrCyrldaymonthsep%
      \DTMifbool{sr-Cyrl}{monthi}%
        {\DTMsrCyrlimonthname{##2}}%
        {\DTMsrCyrlnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Cyrl}{monthi}%
        {\DTMsrCyrliMonthname{##2}}%
        {\DTMsrCyrlnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Cyrl}{showyear}%
    {%
      \DTMsrCyrlmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrltimesep\DTMtwodigits{##2}%
```

```
    \ifDTMshowseconds\DTMsrCyrltimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrltimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrldatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrltimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrldatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrltimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrCyrlmonthordinal Define the month ordinal format to be used by this style.

```
   \newcommand*{\DTMsrCyrlmonthordinal}[1]{%
       \DTMifbool{sr-Cyrl}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srCyrl-numeric` style.

```
\DTMdefchoicekey{sr-Cyrl}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrCyrlmonthordinal}[1]{%
       \DTMifbool{sr-Cyrl}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrCyrldatesep}%
 \or%
   \renewcommand*{\DTMsrCyrlmonthordinal}[1]{%
```

```
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
  \or%
    \renewcommand*{\DTMsrCyrlmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
  \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Cyrl-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlweekdayname{##4}%
        \DTMsrCyrldowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl}{showdayofmonth}%
    {\DTMsrCyrldayordinal{##3}\DTMsrCyrldaymonthsep}%
    {}%
    \DTMsrCyrlmonthordinal{##2}%
    \DTMifbool{sr-Cyrl}{showyear}%
    {%
      \DTMsrCyrlmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlWeekdayname{##4}%
        \DTMsrCyrldowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl}{showdayofmonth}%
    {\DTMsrCyrldayordinal{##3}\DTMsrCyrldaymonthsep}%
    {}%
    \DTMsrCyrlmonthordinal{##2}%
    \DTMifbool{sr-Cyrl}{showyear}%
    {%
      \DTMsrCyrlmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrltimesep\DTMtwodigits{##2}%
```

```
    \ifDTMshowseconds\DTMsrCyrltimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrltimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrldatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrltimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrCyrlzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Cyrl}}%
{\DTMsetstyle{sr-Cyrl-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbianc%
  {% do nothing
  }%
  {%
    \def\dateserbianc{%
      \DTMifcaseregional%
      {}% do nothing
```

```
      {\DTMsetstyle{sr-Cyrl}}%
      {\DTMsetstyle{sr-Cyrl-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing

      {\DTMsetstyle{sr-Cyrl}}%
      {\DTMsetstyle{sr-Cyrl-numeric}}%
  }%
}%
```

## 2.11 Serbian sr-Cyrl-RS Code (`datetime2-sr-Cyrl-RS.ldf`)

```
\ProvidesDateTimeModule{sr-Cyrl-RS}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbianc}
```

### 2.11.1 *Defining the sr-Cyrl-RS style*

Allow the user a way of configuring the `sr-Cyrl-RS` and `sr-Cyrl-RS-numeric` styles by providing macros for various format elements.

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

`\DTMsrCyrlRSdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrCyrlRSdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrCyrlRSdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrCyrlRSmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlRSdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlRStimezonesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlRSdatesep}{.}
```

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

```
\newcommand*{\DTMsrCyrlRStimesep}{.}
```

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

```
\DTMdefkey{sr-Cyrl-RS}{dowdaysep}%
    {\renewcommand*{\DTMsr-Cyrl-RSdowdaysep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{daymonthsep}%
    {\renewcommand*{\DTMsr-Cyrl-RSdaymonthsep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{monthyearsep}%
    {\renewcommand*{\DTMsr-Cyrl-RSmonthyearsep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{datetimesep}%
    {\renewcommand*{\DTMsr-Cyrl-RSdatetimesep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{timezonesep}%
    {\renewcommand*{\DTMsr-Cyrl-RStimezonesep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{datesep}%
    {\renewcommand*{\DTMsr-Cyrl-RSdatesep}{#1}}
\DTMdefkey{sr-Cyrl-RS}{timesep}%
    {\renewcommand*{\DTMsr-Cyrl-RStimesep}{#1}}
```

### 2.11.2 Switches and settings

`\DTMsrCyrlRSweekdayname` Define the weekday name, lowercase.

```
\newcommand*{\DTMsrCyrlRSweekdayname}%
{\DTMserbiancyrijweekdayname}
```

`\DTMsrCyrlRSweekdayname` Define the weekday name, capitalized.

```
\newcommand*{\DTMsrCyrlRSWeekdayname}%
    {\DTMserbiancyrijWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Cyrl-RS}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrCyrlRSweekdayname}%
        {\DTMserbiancyrekweekdayname}%
    \renewcommand*{\DTMsrCyrlRSWeekdayname}%
        {\DTMserbiancyrekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrCyrlRSweekdayname}%
        {\DTMserbiancyrijweekdayname}%
    \renewcommand*{\DTMsrCyrlRSWeekdayname}
        {\DTMserbiancyrijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Cyrl-RS}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{sr-Cyrl-RS}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Cyrl-RS}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Cyrl-RS}{leadingzero}{false}
```

\DTMsrCyrlRSdayordinal Define the day ordinal format to be used by this style.

```
\newcommand*{\DTMsrCyrlRSdayordinal}[1]{%
    \DTMifbool{sr-Cyrl-RS}{leadingzero}%
    {\DTMtwodigits{#1}}%
    {\number#1}\DTMsrCyrlRSdatesep}%
```

Define the month names.

\DTMsrCyrlRSnoimonthname

```
\newcommand*{\DTMsrCyrlRSnoimonthname}{\DTMserbiancyrnoimonthname}
```

\DTMsrCyrlRSnoiMonthname

```
\newcommand*{\DTMsrCyrlRSnoiMonthname}{\DTMserbiancyrnoiMonthname}
```

\DTMsrCyrlRSimonthname

```
\newcommand*{\DTMsrCyrlRSimonthname}{\DTMserbiancyrimonthname}
```

\DTMsrCyrlRSiMonthname

```
\newcommand*{\DTMsrCyrlRSiMonthname}{\DTMserbiancyriMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Cyrl-RS}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Cyrl-RS}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-RS}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Cyrl-RS}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-RS}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Cyrl-RS}{showyear}{true}

\DTMnewstyle%
{sr-Cyrl-RS}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlRSweekdayname{##4}%
        \DTMsrCyrlRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-RS}{showdayofmonth}
      {\DTMsrCyrlRSdayordinal{##3}\DTMsrCyrlRSdaymonthsep}%
      {}%
    \DTMifbool{sr-Cyrl-RS}{monthi}%
      {\DTMsrCyrlRSimonthname{##2}}%
      {\DTMsrCyrlRSnoimonthname{##2}}%
    \DTMifbool{sr-Cyrl-RS}{showyear}%
    {%
      \DTMsrCyrlRSmonthyearsep%
```

```
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlRSWeekdayname{##4}%
        \DTMsrCyrlRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-RS}{showdayofmonth}
    {%
      \DTMsrCyrlRSdayordinal{##3}\DTMsrCyrlRSdaymonthsep%
      \DTMifbool{sr-Cyrl-RS}{monthi}%
        {\DTMsrCyrlRSimonthname{##2}}%
        {\DTMsrCyrlRSnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Cyrl-RS}{monthi}%
        {\DTMsrCyrlRSiMonthname{##2}}%
        {\DTMsrCyrlRSnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Cyrl-RS}{showyear}%
    {%
      \DTMsrCyrlRSmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-RS}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlRStimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlRStimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlRSzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-RS}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlRStimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
```

```
      \DTMsrCyrlRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrCyrlRSmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrCyrlRSmonthordinal}[1]{%
      \DTMifbool{sr-Cyrl-RS}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srCyrlRS-numeric` style.

```
\DTMdefchoicekey{sr-Cyrl-RS}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrCyrlRSmonthordinal}[1]{%
       \DTMifbool{sr-Cyrl-RS}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrCyrlRSdatesep}%
 \or%
   \renewcommand*{\DTMsrCyrlRSmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMsrCyrlRSmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Cyrl-RS-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlRSweekdayname{##4}%
        \DTMsrCyrlRSdowdaysep%
      \fi
    \fi
```

```
    \DTMifbool{sr-Cyrl-RS}{showdayofmonth}%
    {\DTMsrCyrlRSdayordinal{##3}\DTMsrCyrlRSdaymonthsep}%
    {}%
    \DTMsrCyrlRSmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-RS}{showyear}%
    {%
      \DTMsrCyrlRSmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlRSWeekdayname{##4}%
        \DTMsrCyrlRSdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-RS}{showdayofmonth}%
    {\DTMsrCyrlRSdayordinal{##3}\DTMsrCyrlRSdaymonthsep}%
    {}%
    \DTMsrCyrlRSmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-RS}{showyear}%
    {%
      \DTMsrCyrlRSmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-RS}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlRStimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlRStimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlRSzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-RS}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlRStimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
```

```
      \DTMsrCyrlRSdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlRStimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrCyrlRSzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Cyrl-RS}}%
{\DTMsetstyle{sr-Cyrl-RS-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbianc%
  {% do nothing
  }%
  {%
    \def\dateserbianc{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Cyrl-RS}}%
      {\DTMsetstyle{sr-Cyrl-RS-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing

      {\DTMsetstyle{sr-Cyrl-RS}}%
      {\DTMsetstyle{sr-Cyrl-RS-numeric}}%
  }%
}%
```

### 2.12 Serbian sr-Cyrl-ME Code (`datetime2-sr-Cyrl-ME.ldf`)

```
\ProvidesDateTimeModule{sr-Cyrl-ME}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbianc}
```

### 2.12.1 Defining the sr-Cyrl-ME style

Allow the user a way of configuring the `sr-Cyrl-ME` and `sr-Cyrl-ME-numeric` styles by providing macros for various format elements.

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

`\DTMsrCyrlMEdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrCyrlMEdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrCyrlMEdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrCyrlMEmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlMEdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlMEtimezonesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlMEdatesep}{.}
```

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

```
\newcommand*{\DTMsrCyrlMEtimesep}{.}
```

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

```
\DTMdefkey{sr-Cyrl-ME}{dowdaysep}%
    {\renewcommand*{\DTMsr-Cyrl-MEdowdaysep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{daymonthsep}%
    {\renewcommand*{\DTMsr-Cyrl-MEdaymonthsep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{monthyearsep}%
    {\renewcommand*{\DTMsr-Cyrl-MEmonthyearsep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{datetimesep}%
    {\renewcommand*{\DTMsr-Cyrl-MEdatetimesep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{timezonesep}%
    {\renewcommand*{\DTMsr-Cyrl-MEtimezonesep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{datesep}%
    {\renewcommand*{\DTMsr-Cyrl-MEdatesep}{#1}}
\DTMdefkey{sr-Cyrl-ME}{timesep}%
    {\renewcommand*{\DTMsr-Cyrl-MEtimesep}{#1}}
```

### 2.12.2 Switches and settings

`\DTMsrCyrlMEweekdayname` Define the weekday name, lowercase.

```
\newcommand*{\DTMsrCyrlMEweekdayname}%
{\DTMserbiancyrijweekdayname}
```

\DTMsrCyrlMEweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrCyrlMEWeekdayname}%
    {\DTMserbiancyrijWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Cyrl-ME}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrCyrlMEweekdayname}%
        {\DTMserbiancyrekweekdayname}%
    \renewcommand*{\DTMsrCyrlMEWeekdayname}%
        {\DTMserbiancyrekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrCyrlMEweekdayname}%
        {\DTMserbiancyrijweekdayname}%
    \renewcommand*{\DTMsrCyrlMEWeekdayname}
        {\DTMserbiancyrijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Cyrl-ME}{monthi}[true]{}
```

The default is without the `i` suffix.

```
\DTMsetbool{sr-Cyrl-ME}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Cyrl-ME}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Cyrl-ME}{leadingzero}{false}
```

\DTMsrCyrlMEdayordinal Define the day ordinal format to be used by this style.

```
  \newcommand*{\DTMsrCyrlMEdayordinal}[1]{%
      \DTMifbool{sr-Cyrl-ME}{leadingzero}%
      {\DTMtwodigits{#1}}%
      {\number#1}\DTMsrCyrlMEdatesep}%
```

Define the month names.

\DTMsrCyrlMEnoimonthname

```
\newcommand*{\DTMsrCyrlMEnoimonthname}{\DTMserbiancyrnoimonthname}
```

\DTMsrCyrlMEnoiMonthname

```
\newcommand*{\DTMsrCyrlMEnoiMonthname}{\DTMserbiancyrnoiMonthname}
```

\DTMsrCyrlMEimonthname

```
\newcommand*{\DTMsrCyrlMEimonthname}{\DTMserbiancyrimonthname}
```

\DTMsrCyrlMEiMonthname

```
\newcommand*{\DTMsrCyrlMEiMonthname}{\DTMserbiancyriMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Cyrl-ME}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Cyrl-ME}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-ME}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Cyrl-ME}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-ME}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Cyrl-ME}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Cyrl-ME}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlMEweekdayname{##4}%
        \DTMsrCyrlMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-ME}{showdayofmonth}
      {\DTMsrCyrlMEdayordinal{##3}\DTMsrCyrlMEdaymonthsep}%
      {}%
    \DTMifbool{sr-Cyrl-ME}{monthi}%
      {\DTMsrCyrlMEimonthname{##2}}%
      {\DTMsrCyrlMEnoimonthname{##2}}%
    \DTMifbool{sr-Cyrl-ME}{showyear}%
    {%
      \DTMsrCyrlMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlMEWeekdayname{##4}%
        \DTMsrCyrlMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-ME}{showdayofmonth}
    {%
      \DTMsrCyrlMEdayordinal{##3}\DTMsrCyrlMEdaymonthsep%
      \DTMifbool{sr-Cyrl-ME}{monthi}%
        {\DTMsrCyrlMEimonthname{##2}}%
        {\DTMsrCyrlMEnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Cyrl-ME}{monthi}%
        {\DTMsrCyrlMEiMonthname{##2}}%
        {\DTMsrCyrlMEnoiMonthname{##2}}%
```

```
    }%
    \DTMifbool{sr-Cyrl-ME}{showyear}%
    {%
      \DTMsrCyrlMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-ME}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlMEtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlMEtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlMEzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-ME}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlMEtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrCyrlMEmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrCyrlMEmonthordinal}[1]{%
      \DTMifbool{sr-Cyrl-ME}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srCyrlME-numeric` style.

```
\DTMdefchoicekey{sr-Cyrl-ME}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrCyrlMEmonthordinal}[1]{%
       \DTMifbool{sr-Cyrl-ME}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrCyrlMEdatesep}%
 \or%
   \renewcommand*{\DTMsrCyrlMEmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMsrCyrlMEmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Cyrl-ME-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlMEweekdayname{##4}%
        \DTMsrCyrlMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-ME}{showdayofmonth}%
    {\DTMsrCyrlMEdayordinal{##3}\DTMsrCyrlMEdaymonthsep}%
    {}%
    \DTMsrCyrlMEmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-ME}{showyear}%
    {%
      \DTMsrCyrlMEmonthyearsep%
      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlMEWeekdayname{##4}%
        \DTMsrCyrlMEdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-ME}{showdayofmonth}%
    {\DTMsrCyrlMEdayordinal{##3}\DTMsrCyrlMEdaymonthsep}%
    {}%
```

```
    \DTMsrCyrlMEmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-ME}{showyear}%
    {%
      \DTMsrCyrlMEmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-ME}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlMEtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlMEtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlMEzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-ME}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlMEtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlMEdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlMEtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrCyrlMEzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
```

```
{\DTMsetstyle{sr-Cyrl-ME}}%
{\DTMsetstyle{sr-Cyrl-ME-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbianc%
  {% do nothing
  }%
  {%
    \def\dateserbianc{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Cyrl-ME}}%
      {\DTMsetstyle{sr-Cyrl-ME-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
      {\DTMsetstyle{sr-Cyrl-ME}}%
      {\DTMsetstyle{sr-Cyrl-ME-numeric}}%
  }%
}%
```

## 2.13 Serbian sr-Cyrl-BA Code (`datetime2-sr-Cyrl-BA.ldf`)

```
\ProvidesDateTimeModule{sr-Cyrl-BA}[2019/11/22 v2.1.0]
```

Load appropriate regionless Serbian module.

```
\RequireDateTimeModule{serbianc}
```

### 2.13.1 *Defining the sr-Cyrl-BA style*

Allow the user a way of configuring the `sr-Cyrl-BA` and `sr-Cyrl-BA-numeric` styles by providing macros for various format elements.

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

`\DTMsrCyrlBAdowdaysep` The separator between weekday and day.

```
\newcommand*{\DTMsrCyrlBAdowdaysep}{,\space}
```

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

```
\newcommand*{\DTMsrCyrlBAdaymonthsep}{%
  \DTMtexorpdfstring{\protect~}{\space}%
}
```

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

```
\newcommand*{\DTMsrCyrlBAmonthyearsep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlBAdatetimesep}{\space}
```

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

```
\newcommand*{\DTMsrCyrlBAtimezonesep}{\space}
```

\DTMsrCyrlBAdatesep The separator for the numeric date format.

```
\newcommand*{\DTMsrCyrlBAdatesep}{.}
```

\DTMsrCyrlBAtimesep The separator for the numeric time format.

```
\newcommand*{\DTMsrCyrlBAtimesep}{.}
```

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

```
\DTMdefkey{sr-Cyrl-BA}{dowdaysep}%
    {\renewcommand*{\DTMsr-Cyrl-BAdowdaysep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{daymonthsep}%
    {\renewcommand*{\DTMsr-Cyrl-BAdaymonthsep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{monthyearsep}%
    {\renewcommand*{\DTMsr-Cyrl-BAmonthyearsep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{datetimesep}%
    {\renewcommand*{\DTMsr-Cyrl-BAdatetimesep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{timezonesep}%
    {\renewcommand*{\DTMsr-Cyrl-BAtimezonesep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{datesep}%
    {\renewcommand*{\DTMsr-Cyrl-BAdatesep}{#1}}
\DTMdefkey{sr-Cyrl-BA}{timesep}%
    {\renewcommand*{\DTMsr-Cyrl-BAtimesep}{#1}}
```

### 2.13.2 Switches and settings

\DTMsrCyrlBAweekdayname Define the weekday name, lowercase.

```
\newcommand*{\DTMsrCyrlBAweekdayname}%
{\DTMserbiancyrijweekdayname}
```

\DTMsrCyrlBAweekdayname Define the weekday name, capitalized.

```
\newcommand*{\DTMsrCyrlBAWeekdayname}%
    {\DTMserbiancyrijWeekdayname}
```

Provide a way to switch between Ekavian and Ijekavian pronunciation.

```
\DTMdefchoicekey{sr-Cyrl-BA}%
    {pronunciation}[\@dtm@val\@dtm@nr]{ekavian,ijekavian}{%
  \ifcase\@dtm@nr\relax
    \renewcommand*{\DTMsrCyrlBAweekdayname}%
        {\DTMserbiancyrekweekdayname}%
    \renewcommand*{\DTMsrCyrlBAWeekdayname}%
        {\DTMserbiancyrekWeekdayname}%
  \or%
    \renewcommand*{\DTMsrCyrlBAweekdayname}%
        {\DTMserbiancyrijweekdayname}%
    \renewcommand*{\DTMsrCyrlBAWeekdayname}
        {\DTMserbiancyrijWeekdayname}%
  \fi
}
```

Define a boolean key that can switch between (jun, jul) and (juni, juli) month spellings.

```
\DTMdefboolkey{sr-Cyrl-BA}{monthi}[true]{}
```

The default is without the i suffix.

```
\DTMsetbool{sr-Cyrl-BA}{monthi}{false}
```

Define a boolean key that determines if the day and month ordinals should have leading zeroes.

```
\DTMdefboolkey{sr-Cyrl-BA}{leadingzero}[true]{}
```

The default is to omit the leading zero.

```
\DTMsetbool{sr-Cyrl-BA}{leadingzero}{false}
```

\DTMsrCyrlBAdayordinal Define the day ordinal format to be used by this style.

```
\newcommand*{\DTMsrCyrlBAdayordinal}[1]{%
    \DTMifbool{sr-Cyrl-BA}{leadingzero}%
    {\DTMtwodigits{#1}}%
    {\number#1}\DTMsrCyrlBAdatesep}%
```

Define the month names.

\DTMsrCyrlBAnoimonthname

```
\newcommand*{\DTMsrCyrlBAnoimonthname}{\DTMserbiancyrnoimonthname}
```

\DTMsrCyrlBAnoiMonthname

```
\newcommand*{\DTMsrCyrlBAnoiMonthname}{\DTMserbiancyrnoiMonthname}
```

\DTMsrCyrlBAimonthname

```
\newcommand*{\DTMsrCyrlBAimonthname}{\DTMserbiancyrimonthname}
```

\DTMsrCyrlBAiMonthname

```
\newcommand*{\DTMsrCyrlBAiMonthname}{\DTMserbiancyriMonthname}
```

Define a boolean key that determines if the time zone mappings should be used.

```
\DTMdefboolkey{sr-Cyrl-BA}{mapzone}[true]{}
```

The default is to use mappings.

```
\DTMsetbool{sr-Cyrl-BA}{mapzone}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-BA}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
\DTMsetbool{sr-Cyrl-BA}{showdayofmonth}{true}
```

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

```
\DTMdefboolkey{sr-Cyrl-BA}{showyear}[true]{}
```

The default is to show the year.

```
\DTMsetbool{sr-Cyrl-BA}{showyear}{true}
```

```
\DTMnewstyle%
{sr-Cyrl-BA}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlBAweekdayname{##4}%
        \DTMsrCyrlBAdowdaysep%
      \fi
```

```
    \fi
    \DTMifbool{sr-Cyrl-BA}{showdayofmonth}
      {\DTMsrCyrlBAdayordinal{##3}\DTMsrCyrlBAdaymonthsep}%
      {}%
    \DTMifbool{sr-Cyrl-BA}{monthi}%
      {\DTMsrCyrlBAimonthname{##2}}%
      {\DTMsrCyrlBAnoimonthname{##2}}%
    \DTMifbool{sr-Cyrl-BA}{showyear}%
    {%
      \DTMsrCyrlBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlBAWeekdayname{##4}%
        \DTMsrCyrlBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-BA}{showdayofmonth}
    {%
      \DTMsrCyrlBAdayordinal{##3}\DTMsrCyrlBAdaymonthsep%
      \DTMifbool{sr-Cyrl-BA}{monthi}%
        {\DTMsrCyrlBAimonthname{##2}}%
        {\DTMsrCyrlBAnoimonthname{##2}}%
    }%
    {%
      \DTMifbool{sr-Cyrl-BA}{monthi}%
        {\DTMsrCyrlBAiMonthname{##2}}%
        {\DTMsrCyrlBAnoiMonthname{##2}}%
    }%
    \DTMifbool{sr-Cyrl-BA}{showyear}%
    {%
      \DTMsrCyrlBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-BA}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlBAtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlBAtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlBAzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-BA}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
```

```
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlBAtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}[9]{%
    \ifDTMshowdate%
      \DTMDisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
}%
```

\DTMsrCyrlBAmonthordinal Define the month ordinal format to be used by this style.

```
  \newcommand*{\DTMsrCyrlBAmonthordinal}[1]{%
      \DTMifbool{sr-Cyrl-BA}{leadingzero}{\DTMtwodigits{#1}}{\number#1}.}%
```

Define a setting to switch between Arabic, uppercase Roman and lowercase smallcaps Roman month format for the `srCyrlBA-numeric` style.

```
\DTMdefchoicekey{sr-Cyrl-BA}{monthord}%
[\@dtm@val\@dtm@nr]{arabic,roman,romanlsc}{%
 \ifcase\@dtm@nr\relax
   \renewcommand*{\DTMsrCyrlBAmonthordinal}[1]{%
       \DTMifbool{sr-Cyrl-BA}{leadingzero}%
         {\DTMtwodigits{##1}}{\number##1}\DTMsrCyrlBAdatesep}%
 \or%
   \renewcommand*{\DTMsrCyrlBAmonthordinal}[1]{%
    \DTMtexorpdfstring{\protect\DTMserbianordinalROMAN{##1}}%
    {serbianordinalROMAN{##1}}}%
 \or%
   \renewcommand*{\DTMsrCyrlBAmonthordinal}[1]{%
    \DTMtexorpdfstring{\textsc{\protect\DTMserbianordinalroman{##1}}}%
    {serbianordinalROMAN{##1}}}%
 \fi
}
```

Define numeric style.

```
\DTMnewstyle%
{sr-Cyrl-BA-numeric}% label
{% date style
  \renewcommand*\DTMdisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlBAweekdayname{##4}%
        \DTMsrCyrlBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-BA}{showdayofmonth}%
    {\DTMsrCyrlBAdayordinal{##3}\DTMsrCyrlBAdaymonthsep}%
    {}%
    \DTMsrCyrlBAmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-BA}{showyear}%
    {%
      \DTMsrCyrlBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
  \renewcommand*\DTMDisplaydate[4]{%
    \ifDTMshowdow%
      \ifnum##4>-1
        \DTMsrCyrlBAWeekdayname{##4}%
        \DTMsrCyrlBAdowdaysep%
      \fi
    \fi
    \DTMifbool{sr-Cyrl-BA}{showdayofmonth}%
    {\DTMsrCyrlBAdayordinal{##3}\DTMsrCyrlBAdaymonthsep}%
    {}%
    \DTMsrCyrlBAmonthordinal{##2}%
    \DTMifbool{sr-Cyrl-BA}{showyear}%
    {%
      \DTMsrCyrlBAmonthyearsep%

      ##1\DTMfinaldot{}%
    }%
    {}%
  }%
}%
{% time style
  \renewcommand*\DTMdisplaytime[3]{%
    \DTMifbool{sr-Cyrl-BA}{leadingzero}{\DTMtwodigits{##1}}{\number##1}%
    \DTMsrCyrlBAtimesep\DTMtwodigits{##2}%
    \ifDTMshowseconds\DTMsrCyrlBAtimesep\DTMtwodigits{##3}\fi
  }%
}%
{% zone style
  \DTMresetzones%
  \DTMsrCyrlBAzonemaps%
  \renewcommand*{\DTMdisplayzone}[2]{%
    \DTMifbool{sr-Cyrl-BA}{mapzone}%
    {\DTMusezonemapordefault{##1}{##2}}%
```

```
    {%
      \ifnum##1<0
      \else+\fi\DTMtwodigits{##1}%
      \ifDTMshowzoneminutes\DTMsrCyrlBAtimesep\DTMtwodigits{##2}\fi
    }%
  }%
}%
{% full style
  \renewcommand*{\DTMdisplay}[9]{%
    \ifDTMshowdate%
      \DTMdisplaydate{##1}{##2}{##3}{##4}%
      \DTMsrCyrlBAdatetimesep%
    \fi
    \DTMdisplaytime{##5}{##6}{##7}%
    \ifDTMshowzone%
      \DTMsrCyrlBAtimezonesep%
      \DTMdisplayzone{##8}{##9}%
    \fi
  }%
  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
}
```

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

```
\newcommand*{\DTMsrCyrlBAzonemaps}{%
  \DTMdefzonemap{01}{00}{CET}%
  \DTMdefzonemap{02}{00}{CEST}%
}
```

Switch style according to the `useregional` setting.

```
\DTMifcaseregional%
{}% do nothing
{\DTMsetstyle{sr-Cyrl-BA}}%
{\DTMsetstyle{sr-Cyrl-BA-numeric}}%
```

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

```
\ifcsundef{date\CurrentTrackedDialect}
{%
  \ifundef\dateserbianc%
  {% do nothing
  }%
  {%
    \def\dateserbianc{%
      \DTMifcaseregional%
      {}% do nothing
      {\DTMsetstyle{sr-Cyrl-BA}}%
      {\DTMsetstyle{sr-Cyrl-BA-numeric}}%
    }%
  }%
}%
{%
  \csdef{date\CurrentTrackedDialect}{%
    \DTMifcaseregional%
    {}% do nothing
```

```
      {\DTMsetstyle{sr-Cyrl-BA}}%
      {\DTMsetstyle{sr-Cyrl-BA-numeric}}%
  }%
}%
```

## ACRONYMS

ASCII American Standard Code for Information Interchange, legacy 7-bit text encoding used on American computers since the 1960s. It fails to encode non-English characters. The mainstream encoding used when TEX was concieved.

UTF-8 Unicode Transformation Format – 8-bit, modern variable width character encoding that's backward-compatible with ASCII for all ASCII characters, yet provides full coverage for almost every spoken language.

LICR LATEX Internal Character Representation, a set of macros that help define non-ASCII characters for typesetting in LATEX even in engines that only support ASCII.

PDF Portable Document Format

## CHANGE HISTORY

**1.0**

General: Initial release 7, 8, 14, 20, 27, 34, 40, 47, 54, 60, 67, 73, 80

**1.1**

General: removed spurious space 27, 33, 40, 47, 53, 60, 66, 73, 80, 86

**2.0.0**

General: Added a proper introduction. 1

Added a switch between multiple numeric month ordinal formats used in Serbian. 5, 25, 31, 38, 45, 51, 58, 64, 71, 78, 84

Added a switch for adding leading zeroes in day and month ordinals. 22, 29, 35, 42, 49, 55, 62, 68, 75, 82

Added a switch for toggling leading zeroes in day and month ordinals. 5

Added a way to switch between Ekavian and Ijekavian pronunciation. 4, 22, 28, 35, 42, 48, 55, 61, 68, 75, 81

Added a way to switch June, July alternate spellings. 5, 22, 29, 35, 42, 48, 55, 62, 68, 75, 81

Added documentation for new settings. 4

Added installation guide. 3

Added regions and documented their use. 4

Added regions, all settings made available to regions so all changes can be region-specific. 20, 27, 34, 40, 47, 54, 60, 67, 73, 80

Added regions. 27, 33, 40, 47, 53, 60, 66, 73, 80, 86

Added weekday names. 6, 22, 23, 25, 28, 30, 32, 35, 36, 38, 41, 43, 45, 48, 49, 51, 55, 56, 58, 61, 63, 65, 68, 69, 71, 74, 76, 78, 81, 82, 84

All localization strings are now declared within the Python build script and both the UTF-8 and LICR encoded strings are generated from said files on build, before uploading to CTAN. 8, 14

All localization strings loaded from base module. 21, 27, 34, 40, 47, 54, 60, 67, 73, 80

Fixed the (previously entirely wrong) numeric date style. 25, 32, 38, 45, 51, 58, 65, 71, 78, 84

Removed the option to switch between writing systems, since that is accomplished by using different regions or regionless styles (`serbian` and `serbianc` for example). 22, 29, 36, 42, 49, 55, 62, 69, 75, 82

Restyled the documentation. 1

Separated the base package from the regionless style. The base package now only declares common localization strings and includes adequately encoded localization strings from their respective packages. 7

**2.0.1**

`\DTMserbianczonemaps`: Replaced wrong parameter for zonemapping. 59

`\DTMserbianzonemaps`: Replaced wrong parameter for zonemapping. 26

`\DTMsr-Cyrl-BAzonemaps`: Replaced wrong parameter for zonemapping. 86

`\DTMsr-Cyrl-MEzonemaps`: Replaced wrong parameter for zonemapping. 79

`\DTMsr-Cyrl-RSzonemaps`: Replaced wrong parameter for zonemapping. 73

`\DTMsr-Cyrlzonemaps`: Replaced wrong parameter for zonemapping. 66

\DTMsr-Latn-BAzonemaps: Replaced wrong parameter for zonemapping. 53
\DTMsr-Latn-MEzonemaps: Replaced wrong parameter for zonemapping. 46
\DTMsr-Latn-RSzonemaps: Replaced wrong parameter for zonemapping. 40
\DTMsr-Latnzonemaps: Replaced wrong parameter for zonemapping. 33
General: Adopted semantic versioning. 1, 3–8, 14, 20–23, 25, 27–36, 38, 40–43, 45, 47–49, 51, 53–56, 58, 60–69, 71, 73–76, 78, 80–82, 84, 86
Changed colon → period. 5
Fixed non-regional variant for regional code. 27, 34, 40, 47, 54, 60, 67, 73, 80, 87
Fixed paragraph indentation. 5
Fixed region name error. 21, 27, 34, 41, 47, 54, 60, 67, 74, 80
Fixed wrong example. 5
Removed extraneous paragraph indentation. 8, 22, 23, 25, 29, 31, 32, 35, 36, 38, 42, 43, 45, 48, 49, 51, 55, 56, 58, 62, 64, 65, 68, 69, 71, 75, 76, 78, 81, 82, 84
Removed extraneous paragraphs. 7

**2.1.0**

General: Adapted the code to omit the final dot on starred version of \DTMdate and \DTMDate. Thanks Nicola 23–26, 30, 32, 37, 39, 43–46, 50, 52, 56–59, 63, 65, 70, 72, 76–79, 83, 85
Removed year ordinal macro since year ordinals are handled differently now. 22, 29, 36, 42, 49, 55, 62, 69, 75, 82
fixed UTF-8 shortcut. 1
Fixed version string. 1
Mentioned starred \DTMdate 1, 5
Reverted wrong regional variant changes. 27, 34, 40, 47, 54, 60, 67, 73, 80, 87

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