



Locale Specification for XFDL

Note

Before using this information and the product it supports, read the information in "Notices," on page 275.

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This edition applies to version 2.6.1 of IBM Workplace Forms and to all subsequent releases and modifications until otherwise indicated in new editions.

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Creating Localized Forms

This document is intended to assist form designers who are creating localized forms for use with IBM® Workplace Forms™ Viewer and Workplace Forms Server - Webform Server.

The first section of this document describes the basic steps you must follow to create any localized form. These steps include:

1. Setting the locale.
2. Selecting a font.
3. Setting the page size.
4. Formatting XFDL items where necessary.
5. Creating signatures, if necessary.

The remaining section is a quick reference, which provides locale-specific information for each locale supported by the Workplace Forms suite of products.

This information includes:

- Currency symbols
- Decimal separators
- Grouping separators
- Zero digits
- Mathematical symbols
- Negative indicators
- Date inputs and outputs

Setting Locales

Workplace Forms are designed to be locale and language aware. This means that each form is designed for a specific language and locale. Locale support is identified through the `xml:lang` attribute. This attribute is added to the XFDL tag in the form, and identifies which locale the form was designed for. For example, the following form was designed for the German Switzerland locale:

```
<XFDL xmlns="http://www.ibm.com/xmlns/prod/XFDL/7.0" xml:lang="de-CH">
```

If the `xml:lang` attribute is not included on the `<XFDL>` tag, the form defaults to the en-US locale.

A Workplace Form can only support one locale at a time. In other words, individual XFDL items cannot accept a locale that is different from that of the form. The only exception to this rule is the *currencylocale* setting, which allows you to support different types of currency in one form. For example, you could create a form that contained both British pounds and US dollars by setting an en-GB locale on one field and an en-US locale on another field.

Note: This setting does not convert currencies. To convert currencies, you must include a webservice that provides the current conversion rates.

For more information:

- Regarding language codes, see:
<http://www.loc.gov/standards/iso639-2/englangn.html#ef>
- Regarding country codes, see:
<http://ftp.ics.uci.edu/pub/websoft/wwwstat/country-codes.txt>

Supported Languages and Locales

While your forms can only support one locale at a time, you can create forms in 26 languages and over 60 locales.

These include:

- Chinese
 - Simplified Han, China
 - Simplified Han, Singapore
 - Traditional Han, Hong Kong S.A.R., China
 - Traditional Han, Taiwan
- Croatian (Croatia)
- Czech (Czech Republic)
- Danish (Denmark)
- Dutch
 - Belgium
 - Netherlands
- English
 - Australia
 - Belgium
 - Canada
 - Hong Kong S.A.R., China
 - India
 - Ireland
 - New Zealand
 - Philippines
 - Singapore
 - South Africa
 - United Kingdom
 - United States
- Finnish (Finland)
- French
 - Belgium
 - Canada
 - France
 - Luxembourg
 - Switzerland
- German
 - Austria
 - Germany
 - Luxembourg
 - Switzerland

- Greek (Greece)
- Hungarian (Hungary)
- Italian
 - Italy
 - Switzerland
- Japanese (Japan)
- Korean (South Korea)
- Norwegian Bokmål (Norway)
- Polish (Poland)
- Portuguese
 - Brazil
 - Portugal
- Romanian (Romania)
- Russian (Russia)
- Slovak (Slovakia)
- Slovenian (Slovenia)
- Spanish
 - Argentina
 - Bolivia
 - Chile
 - Colombia
 - Costa Rica
 - Dominican Republic
 - Ecuador
 - El Salvador
 - Guatemala
 - Honduras
 - Mexico
 - Nicaragua
 - Panama
 - Paraguay
 - Peru
 - Puerto Rico
 - Spain
 - United States
 - Uruguay
 - Venezuela
- Swedish (Sweden)
- Turkish (Turkey)

For specific information about each locale, see the “Locale Quick Reference” on page 23.

Selecting Fonts

If you are designing forms for another locale, you should ensure that you use fonts that are readily available to users of that locale. Otherwise, you may find that the text in your form does not display properly and the Viewer will display an error message.

On Windows XP, support for most languages is installed by default. This allows you to create forms in any single-byte language, including Greek and Cyrillic. To support double-byte languages, such as Japanese, Chinese, or Korean, you must install supplemental language support, unless you are using an East Asian operating system. Supplemental language support can be installed through the Windows Control Panel.

Note: Windows 2000 only supports the native language of the operating system. To create localized forms on Windows 2000, you should install the Windows operating system that is native to the desired locale.

The recommended font for European languages (such as English, French, Spanish, or Russian) is Arial. For supported non-European languages, we recommend using the following fonts:

- **Simplified Chinese** — SimSun
- **Traditional Chinese** — MingLiU
- **Japanese** — MS Mincho
- **Korean** — Gulim

Setting Page Size

When you design your form, you should be aware that there are many page size standards in use by different countries. The most common international page sizes are set by ISO 216, but not all countries support this standard. Your choice of page size may also be influenced by other factors. For example, if you are replicating an existing paper form for a government organization, your choice of page size must fit the standards set by that government. On the other hand, if you are creating a “wizard” form that will only be used online, you may want to ensure that the page size is fitted to the users’ computer screens.

The page size in your form must be set in pixels. If you don’t know what your desired page size is in pixels, you will need to calculate it.

Note: There are approximately 120 pixels per inch and 48 pixels per centimeter.

The following table displays some of the more common page sizes and their dimensions in pixels:

Page Type	Approximate Size in Pixels
A4 (ISO 216)	992 x 1403
B5 (ISO 216)	860 x 1214
Letter (US)	1020 x 1320
Legal (US)	1020 x 1680
Tabloid (US)	1320 x 2040
PA4 (proposed intermediary between A4 and US letter)	990 x 1320

Page Type	Approximate Size in Pixels
640 x 480 (screen display)	600 x 265
800 x 600 (screen display)	770 x 375
1024 x 768 (screen display)	980 x 540
1280 x 1024 (screen display)	1230 x 850
1600 x 1200 (screen display)	1535 x 1000

For more information regarding page and paper sizes, see: http://en.wikipedia.org/wiki/Paper_size.

Formatting Items

Format properties give you control over how users input information into your form and how information on the form is displayed. You can apply format properties to fields, popup lists, combo box lists, box lists, and labels.

The *format* option contains a number of properties:

- **datatype** — Determines the type of information the item should accept. For example, if the *datatype* of a field is **currency**, then will only accept currency values (whole or decimal numbers) as input.
- **presentation** — Determines how data is displayed. For example, if the *presentation* of a field is **currencylocale**, a currency symbol will be displayed.
- **constraints** — Determines the constraints that apply to user input. For example, you can create a field that requires user input to match a phone number template.

There are a vast number of settings that can modify an item's *datatype*, *presentation*, and *constraints*. For detailed information regarding these settings, see "The format Option," below.

The format Option

Allows you to apply formatting to the contents of an item, or to create edit checks for that item. It also allows you to set *button* items to be mandatory.

Syntax

```
<format>
  <datatype>data type</datatype>
  <presentation>presentation settings</presentation>
  <constraints>constraint settings</constraints>
</format>
```

Note:

- Datatype is mandatory and must appear first; the other settings are optional.

data type	(see below)	the type of data the item can contain.
presentation settings	(see below)	the formatting to apply to the data in this item.
constraint settings	(see below)	the constraints to apply to user input.

Available In

button, checkgroup, combobox, field, label, list, popup, radiogroup, slider

Data Types

You can only declare one data type for each item. If you do not set the data type, XFDL will default to string. XFDL supports the following data types:

Data Type	Description	Format Defaults To:
currency	a fixed point decimal number with a scale of 2 and a range equal to the range of a float	any number. Automatically adds .00 to end, if no decimal value specified.
date	a date including day-of-month, month, and year	3 Mar 2005
day_of_month	the number of a day of the month	12
day_of_week	the name or number of a day of the week	Thu
date_time	the date, including year, month, day, and the time, including at least hours and minutes.	5 Oct 2005 6:45:21 PM
float	a positive or negative floating point decimal number in the range of $1.7 * 10^{-308}$ to $1.7 * 10^{308}$	any decimal number
integer	a positive or negative whole number in the range of -2,147,483,648 to +2,147,483,647	any whole number
month	the name or number of a month	Mar
string	free form character data up to 32K long	any group of characters
time	a time value containing hours and minutes from the 12 hour or the 24 hour clock	11:23:21 PM
void	disable entire format option (including data type, presentation, and constraints)	no effect on contents of the item
year	a numeric year designation	2005

Presentation Settings

Presentation settings control the output of the text. For example, you can specify that the text should include a currency symbol, or that it should round all numbers up. You can specify any number of presentation settings.

Presentation settings follow this syntax:

```
<format>
  <presentation>
    <settingname1>setting</settingname1>
    ...
    <settingnamen>setting</settingnamen>
  </presentation>
</format>
```

Note:

- You can define any number of settings.

The following list defines the valid settings:

calendar

This sets which calendar is used for formatting dates. It supports the following settings:

- **gregorian** — A solar calendar. The primary calendar for North America.
- **japanese** — A lunisolar calendar (based on lunar and solar cycles). Used in Japan, along with gregorian calendar.

Using this setting forces the calendar to be type selected, regardless of the locale of the form. This setting is only valid for date types, such as date, time, and so on.

Default for en_US locale: **gregorian**.

Default for other locales: not documented.

casetype

Forces the value to be set to a particular case. Valid settings are:

- **upper** — Sets all letters to upper case.
- **lower** — Sets all letters to lower case.
- **title** — Capitalizes the first letter of each word.
- **none** — Leaves the capitalization unchanged.

This setting is only valid for string and date (date, time, and so on) data types.

Default: **none**.

currencylocale

Allows you to set a different locale for a particular currency field. For example, you could set one field to use US dollars and another field to use British pounds.

Valid settings include all valid locales.

Note that this setting does not convert currencies in any way.

Default: the locale of the form.

decimalseparator

The symbol(s) used to separate the decimal place. This is often a period, as shown:

100.00

You can use any string. This setting is only valid for int, float, and currency data types.

Default for en_US locale: a period.

Default for other locales: refer to the locale in the *Quick Reference* section.

fractiondigits

Sets the number of digits shown after the decimal place. For example, a setting of 3 would allow three digits after the decimal place, as shown:

13.764

All values are rounded according to the *round* setting. If no *round* setting is specified, all values are rounded up. (See the *round* setting for an explanation of rounding up.)

Fractiondigits is only valid for float and currency data types. Note that setting both *fractiondigits* and *significantdigits* may cause conflicting formats. In this case, *significantdigits* takes precedence.

Default: the maximum number of digits allowed for the data type.

groupingseparator

The symbol(s) used to separate groups of numbers (for example, thousands in North America). This is often a comma, as shown:

1,000,000

You can use any string, with the keyword **none** representing no separators at all. However, you should not use strings that already have a meaning, such as the period.

This setting is only valid for int, float, and currency data types.

Default for en_US locale: a comma.

Default for other locales: refer to the locale in the *Quick Reference* section.

keepformatindata

Sets whether formatting, such as dollar signs and other "decoration", is maintained when the value is copied to the XForms model. Valid values are:

- **on** — maintain all formatting.
- **off** — strip all formatting.

Default: **off**.

negativeindicator

Sets the symbols that are used to indicate a negative value. You can place symbols both before and after the number by setting a prefix and a suffix. To do this, you must include the <prefix> and <suffix> tags in your definition, as shown:

```
<negativeindicator>
  <prefix>prefix</prefix>
  <suffix>suffix</suffix>
</negativeindicator>
```

The prefix and suffix are defined as strings. For example, if you set the prefix to an open bracket and the suffix to a close bracket, you will get a bracket negative. The following shows the bracket notation for negative 100:

(100)

You can also leave either the prefix or suffix blank, so long as the other setting has a value.

Note:

- The *pattern* setting overrides the *negativeindicator* setting.
- Do not use this setting with currency data types.
- Do not use symbols that already have meanings, such as the period.

Default for en_US locale: minus sign (-).

Default for other locales: refer to the locale in the *Quick Reference* section.

pad Sets the number of digits to show, regardless of the value. For example, setting a pad of 5 would result in all numbers having five digits, as shown:

00002
00100

If the value has more characters than dictated by the *pad* setting, the value is not changed and is displayed as entered.

Pad is only valid for integer, float, and currency data types. Use the *padcharacter* setting to control which character is used to pad the value.

Default : 0 (no padding imposed).

padcharacter

Sets the character to use for padding. For example, if you set the *padcharacter* to a zero and the *pad* setting was 5, numbers would be displayed as follows:

00010
01245

You may only specify a single character as the pad character. Furthermore, you must use a pad character that is valid for your data type. For example, you cannot use a Z in an integer value.

Padcharacter is only valid for integer, float, and currency data types. Use the *pad* setting to control how many pad characters are used.

Default for en_US locale: 0.

Default for other locales: refer to the locale in the *Quick Reference* section.

pattern

Allows you to set a pattern for number and date data types. This pattern is used to display the data. For example, you might want all numbers to be formatted with two digits after the decimal place.

To learn how to represent number and date patterns, refer to “Defining Patterns” on page 16.

Note that the *pattern* setting overrides both the *style* and *negativeindicator* settings.

patternrefs

Allows you to set one or more patterns for string data types that are used to display the data. For example, you may want to ensure that all phone numbers are displayed with dashes, as shown: 250-604-8734.

You must define each pattern in its own `<patternref>` tag, as shown:

```
<patternrefs>
  <patternref1>pattern</patternref1>
  ...
  <patternrefn>pattern</patternrefn>
</patternrefs>
```

If you define only one pattern, that pattern is used for all input regardless of the number of constraints you define.

If you define more than one *patternref*, you must define an equal number of patterns in the constraints. Each pattern is then matched to the corresponding constraint. For example, the first pattern is matched to the first constraint, the second pattern is matched to the second constraint, and so on. This allows you to define a different pattern for each constraint.

To learn how to represent string patterns, refer to page 19.

Note that the *patternrefs* setting overrides the *style* setting.

Default: as dictated by the style setting.

round Determines how values are rounded. Valid settings are:

- **floor** — Always rounds down. For example, 46.9 becomes 46.
- **ceiling** — Always rounds up. For example, 46.1 becomes 47.
- **up** — Rounds values greater than 5 up, and values less than 5 down. For values equal to 5, it rounds up. For example, 46.5 becomes 47, while 46.4 becomes 46.
- **down** — Rounds values greater than 5 up, and values less than 5 down. For values equal to 5, it rounds down. For example, 46.5 becomes 46, while 46.6 becomes 47.
- **half_even** — Rounds values greater than 5 up, and values less than 5 down. For values equal to 5, rounds up if the preceding digit is even, and down if the preceding digit is odd. For example, 46.5 becomes 47, while 45.5 becomes 45.

Round is only valid for integer, float, and currency data types.

Note that if the *significantdigits* setting is used, then the *round* setting is reset to **half_even**.

Default: **half_even**.

showcurrency

Sets whether the appropriate currency symbol is shown. This is only valid for a currency data type. Valid settings are on, which shows the symbol, and off, which does not.

The symbol used is determined by the *currencylocale* setting. If there is no *currencylocale* setting, it defaults to normal currency symbol for the current locale.

Default: **on**.

significantdigits

Sets the number of significant digits allowed. This is generally the total number of digits allowed in the number. For example, 134.56 has five significant digits.

If the data entered exceeds the number of significant digits allowed, then only the least significant digits are shown. For example, if you allow five significant digits and 12,345.56 is entered, then only 345.56 is shown.

significantdigits is only valid for integer, float, and currency data types.

Note that setting both *fractiondigits* and *significantdigits* may cause conflicting formats. In this case, *significantdigits* takes precedence.

Default: the maximum number of digits allowed for the data type.

style Sets how various data types are displayed. For example, you can use the style to set whether times include seconds, and whether dates are spelled out or numeric.

Valid settings are:

- **numeric**
- **short**
- **medium**
- **long**
- **full**

For more information about how the styles affect the different data types, see the “Data Type Styles.”

Note that both the pattern and patternrefs settings override the style setting.

Default: **medium**.

Data Type Styles

The following table shows how the style affects the presentation of various data types in the en_US locale. For other locales, refer to the locale in the *Quick Reference* section. The symbols used to define each format are explained on page 16.

Data Type	Style	Format	Example
date	numeric	yyyyMMdd	20041123
	short	yyyy-MM-dd	2004-11-23
	medium	d MMM yyyy	23 Nov 2004
	long	MMMM d, yyyy	November 23, 2004
	full	EEEE, MMMM d, yyyy	Tuesday, November 23, 2004
day_of_month	numeric	d	3
	short	d	3
	medium	d	3
	long	d	3
	full	d	3
day_of_week	numeric	e	3

Data Type	Style	Format	Example
date_time	short	e	3
	medium	EEE	Wed
	long	EEEE	Wednesday
	full	EEEE	Wednesday
	numeric	yyyyMMdd h:mm	20041123 8:15
	short	yyyy-MM-dd h:mm a	11/23/04 8:15 AM
	medium	d MMM yyyy h:mm:ss a	Nov 23, 2004 8:15:23 AM
month	long	MMMM d, yyyy h:mm:ss a	November 23, 2004 8:15:23 AM
	numeric	M	9
	short	M	9
	medium	MMM	Sep
	long	MMMM	September
time	full	MMMM	September
	numeric	H.mm	17.30
	short	h:mm a	5:30 PM
	medium	h:mm:ss a	5:30:14 AM
	long	h:mm:ss a	5:30:14 AM
year	full	h:mm:ss a z	5:30:14 AM Pacific Standard Time
	numeric	yyyy	2004
	short	yy	04
	medium	yyyy	2004
	long	yyyy	2004
	full	yyyy G	2004 AD

Constraint Settings

Constraint settings control the text that the user is allowed to input. For example, you can limit input to a range of numbers, to a particular length, or to a specific pattern, such as the common ###-####.

Constraint settings follow this syntax:


```

<format>
  <constraints>
    <settingname1>setting</settingname1>
    ...
    <settingnamen>setting</settingnamen>
  </constraints>
</format>

```

Note:

- You can define any number of settings.

The following list defines that valid settings:

casesensitive

Sets whether the data entered must match the case of the defined pattern constraints. Valid settings are:

- **on** — The data entered must match the case of the defined templates.
- **off** — The data entered does not need to match the case of any defined templates.

Default: **off**.

checks

Allows you to force the format check to fail, or to ignore all constraints settings. Valid settings are:

- **fail** — Forces the format check to fail.
- **ignore** — Ignores all constraint settings. Note that the data type and the presentation settings are still respected.
- **none** — Has no effect.

Default: none.

decimalseparators

Defines one or more symbols that are allowed to indicate the decimal place. This is often a period, as shown:

100.00

List each separator in its own separator tag, as shown:

```

<decimalseparators>
  <decimalseparator1>
    >separator</decimalseparator1>
  ...
  <decimalseparatorn>
    >separator</decimalseparatorn>
</decimalseparators>

```

You can use any string, such as a comma or a comma followed by a space. This setting is only valid for integer, float, and currency data types.

Note:

- The user must use the same separator in a given string. For example, if you define both comma and space as valid separators, the user must type either 1,000,000 or 1 000 000. Mixing the separators, as in 1,000 000, is not allowed.
- If this setting is empty, it inherits the decimalseparator defined in the presentation settings.

Default: a comma.

groupingseparators

Defines one or more symbols that are allowed to separate groups of numbers (such as thousands in North America) during input. This is often a comma, as shown:

1,000,000

List each separator in its own separator tag, as shown:

```
<groupingseparators>
  <groupingseparator1>
    >separator</groupingseparator1>
  ...
  <groupingseparatorn>
    >separator</groupingseparatorn>
</groupingseparators>
```

You can use any string, such as a comma or a comma followed by a space, with the keyword *none* representing no separator at all. This setting is only valid for integer, float, and currency data types.

Usage Details

- The user must use the same separator in a given string. For example, if you define both comma and space as valid separators, the user must type either 1,000,000 or 1 000 000. Mixing the separators, as in 1,000 000, is not allowed.
- If this setting is left empty, it inherits the *groupingseparator* defined in the presentation settings.

Default: a comma.

length Sets a range of lengths that the data entered must fall within. To do this, you must include the *<min>* and *<max>* tags in your definition, as shown:

```
<length>
  <min>shortest length allowed</min>
  <max>longest length allowed</max>
</length>
```

For example, if you wanted all values to be between 4 and 7 characters in length, you would set the *min* to 4 and the *max* to 7. This allows the user to enter a value that is either 4 characters or 7 characters in length, as well as all lengths in between.

The length is calculated after all formatting has been applied, and will include all formatting characters such as the negative sign, currency symbols, and so on.

If you add a *length* setting to a field, the field is treated as mandatory.

Default: the maximum range of lengths allowed for the data type.

mandatory

Sets whether the user must enter a value. Valid settings are:

- **on** — The user must enter a value.
- **off** — The user need not enter a value.

This value works in conjunction with the *required* property for the linked element in the XForms model. If either setting indicates that input is mandatory, then it is mandatory.

Default: the *required* property of the linked XForms data element, or **off**.

message

Sets the message that is displayed when the input is invalid. This can be any text.

Default: **none**.

patterns

Allows you to set one or more patterns for strings, date, or numbers that are valid as input. For example, you might want to constrain dates to the following format: YYYY-MM-DD.

You must define each pattern in its own `<pattern>` tag, as shown:

```
<patterns>
  <pattern1>pattern</pattern1>
  ...
  <patternn>pattern</patternn>
</patterns>
```

To learn how to represent different patterns, refer to “Defining Patterns” on page 16.

If you define more than one *patternref* in the presentation settings, you must define an equal number of patterns in the constraints. Each *patternref* is then matched to the corresponding constraint *pattern*. For example, the first *patternref* is matched to the first constraint *pattern*, the second *patternref* is matched to the second constraint *pattern*, and so on. This allows you to define a different pattern for each constraint.

Note that unlike the *template* setting, the *pattern* setting will not show users any of the text you include in your patterns, since there is no way to tell which pattern the user will follow.

range Sets a numerical range that the data entered must fall within. To do this, you must include the `<low>` and `<high>` tags in your definition, as shown:

```
<range>
  <min>smallest number allowed</min>
  <max>highest number allowed</max>
</range>
```

The low and high values are inclusive. For example, if you wanted to create a range from 1 to 100, you would set the low value to 1 and the high value to 100. This allows the user to enter either 1 or 100, as well as all values in between.

If you set a range for a string, the data is evaluated on a character by character basis. For example, you might set your low value to “fg” and your high value to “jk”. In this case, the first character entered would have to be in the f-j range, and the second character would have to be in the g-k range. This check ignores case.

If you add a *range* setting to a field, the field is treated as mandatory.

Default: the maximum range allowed for the data type.

template

Allows you to display symbols in the input area before the user enters their data. This is useful if you want to show formatting placeholders, such as parentheses for the area code in a phone number.

To create a template, use a period to represent any 1 character that the user types in. All other characters are shown to the user as typed.

For example, if you create the following template:

```
(...)-....
```

The user will see the following:

```
( ) -
```

Setting a template in no way limits the user input. If you want to limit the user input, you must also use the *patterns* setting. Furthermore, you can only set one template.

yearwindow

Sets how to interpret two digit dates. This provides two options for interpreting dates:

- **Fixed Date** — You can specify a specific year, such as 70. All numbers from that year and up are assumed to be in the 20th century (for example, 1975). All numbers before that are assumed to be in the 21st century (for example, 2004).

To set a fixed date, you must include the `<fixedyear>` tag as shown:

```
<yearwindow>  
  <fixedyear>the year</fixedyear>  
</yearwindow>
```

- **Sliding Date** — You can specify a range rather than a fixed date. This means that the date on which the decision is based changes as time passes. The date is calculated by taking the current date and subtracting a number you specify. For example, if you set your range to 30 years and it is 2004, your decision date would be $2004 - 30 = 1974$. In this case, all numbers from 74 and up would be in the 20th century, and all numbers below 74 would be in the 21st century.

To set a sliding date, you must include the `<factor>` tag as shown:

```
<yearwindow>  
  <factor>range</factor>  
</yearwindow>
```

You can set either a fixed date or a sliding date, but not both. If you do set both, the sliding date will override the fixed date.

Default: a sliding date with a factor of 30.

Defining Patterns

When defining a pattern or `patternref`, you must create a template for that pattern. For example, phone numbers commonly follow this template: `(000)000-0000`. The following sections explain how to create the following patterns:

- Date Patterns
- Number Patterns
- String Patterns

Date Patterns

The following symbols are used to create date patterns:

Symbol	Description	Example
G	The era, expressed as AD or BC.	AD
y	The year.	1997
Y	The year.	1997
u	The extended year.	4601
M	The month.	11
d	The day of the month.	23
h	The hour for a twelve-hour clock (1-12).	11
H	The hour for a twenty-four hour clock (0-23).	23
m	The minute of the hour (1-59)	34
s	The second of the minute (1-59).	12
S	The fractional second, expressed as a decimal value.	234
E	The day of the week, as text.	Tuesday
e	The day of the week, as a number (1-7).	2
D	The day of the year (1-366).	234
F	The occurrence of that weekday in the month (1-5). For example, the second Wednesday in the month.	2
w	The week in the year (1-52).	27
W	The week in the month (1-5).	3
a	The meridiem, expressed as AM or PM.	AM
k	The hour in the day (1-24).	23
K	The hour in the day (0-11)	3
g	The Julian day.	2451334
A	The millisecond in the day.	69540000
'	Use to enclose text you want to display.	'Date='
''	Use to write a single quote as part of text.	'o'clock'

When creating date patterns, you can repeat the placeholder to determine which format to use. For example, a single e represents the day of the week as a single digit, such as 3. Two e's (ee) represents the day of the week as two digits, such as 03. Three E's (EEE) represents the day of the week as short text, such as Wed. And finally, four E's (EEEE) represents the day of the week as full text, such as Wednesday.

Number Patterns

The following symbols are used to create number patterns:

Symbol	Description	Example
0	Use to specify a digit that must appear. For example, 0.00 would require input with a single digit before the decimal place, and two digits after. Similarly, #0.00 would allow one or more digits before the decimal place, and two digits after.	#0.00
@	Use to specify the number of significant digits to show. Significant digits are the largest value digits in the number. For example, in the number 12345, the 1 is the most significant, the 2 is the second most, and so on. Typing that number into a template of @@@ would produce the number 12300. A significant digit is always shown, even if its value is zero. Furthermore, you cannot use this symbol with a decimal value.	@@@
#	Represents zero or more digits. For example, #.# would accept any of the following values: 1, 1.1, 0.1, or 123.34.	#.#
.	Decimal separator.	#.#
1-9	Each number represents a digit that must appear, and is used to set the increment for rounding. This means that #5 would round the number to the nearest five. Similarly, #29 would round the number to the nearest multiple of 29. For example, if you set a pattern of #35 and the user typed 138, the number would be rounded to 140 (the nearest multiple of 35).	#5
-	A negative indicator. Note that this is a placeholder for the characters defined in the <i>negativeindicator</i> setting. For example, if you defined your negative indicator as parentheses, then -#.# would result a value like: (123.45).	-#.#
,	A separator indicator, representing the character used to separate increments of one thousand in numbers. Note that this is a placeholder for the characters defined in the <i>separator</i> setting. For example, if you declared your separator as a comma followed by a space, then 0,000 would result in a value like: 4, 000.	0,000
\u00A4	A currency indicator. Note that this is a placeholder for the indicator defined in the <i>currencylocale</i> setting. For example, if you declared your <i>currencylocale</i> to be the US, and your template was \u00A4#0.00, you would get a value like: \$534.23. If this symbol appears twice, it is replaced by the international currency symbol.	\u00A4#0.0

Symbol	Description	Example
E	Separates the mantissa from the exponent in scientific notation. For example, 0.#E# would result in a value like: 1.23E4 Note that when using # in scientific notation, this represents the number of digits that will always appear after the decimal. So 0.# will result in one digit after the decimal, while 0.### will result in three digits.	0.#E#
+	Use this to prefix positive exponents with the plus sign. For example, 0.#E+# would result in a value like: 1.34E+4.	0.#E+#
;	Separates the positive and negative versions of a pattern. For example, if you wanted a pattern of #.# or -#.#, you would declare: #.#;-#.#	#.#;-#.#
%	Multiply the data by 100 and show as a percentage. For example, if you set a template of #% and entered a value of 0.12, you would get: 12%.	##%
\u2030	Multiply the data by 1000 and show as per mille. For example, if you set a template of #.#\u2030 and entered a value of .123, you would get: 123 per mille.	#.#/\u2030
*	Precedes a pad character, which you can use to insert specific symbols. For example, *0### would result in a value like: 012.23.	*0###

String Patterns

All string patterns are written with Unix style regular expressions. Regular expressions are well-defined through a variety of public sources (such as www.regular-expressions.info), and as such are not discussed in detail in this document.

When using regular expressions, be aware that the patternrefs you set for the presentation are intended to match corresponding patterns in your constraints. This means that you can define groups in your constraints, and then refer to those groups from the presentation setting using the standard \$# notation.

Examples

This example specifies a field containing integer data with a range of values from 10 to 1,000 inclusive, and formatted with commas separating the thousands:

```
<format>
  <datatype>integer</datatype>
  <presentation>
    <groupingseparator>,<groupingseparator>
  </presentation>
  <constraints>
    <range>
      <min>10</min>
```

```

        <max>1000</max>
    </range>
</constraints>
</format>

```

This example specifies a field that contains currency data that is mandatory. An error message appears if the data is not entered correctly.

```

<format>
  <datatype>currency</datatype>
  <constraints>
    <mandatory>on</mandatory>
    <message>Entry incorrect -- try again.</message>
  </constraints>
</format>

```

This example specifies a field in which date data will be formatted as month, day-of-month, and year (for example, November 23, 2004):

```

<format>
  <datatype>date</datatype>
  <presentation>
    <style>long</style>
  </presentation>
</format>

```

This example sets up a template and patterns for both presentation and constraints. The template sets up a format of (###) ###-#### for a telephone number. This means that when the field is first displayed, it will show the parentheses and the dash to the user. The constraint pattern uses a regular expression to create the same pattern, thereby limiting the input to match the template. Finally, the presentation patternref uses a regular expression to define how the input should be formatted when displayed on the screen. This expression refers to the groups defined in the constraint pattern.

```

<format>
  <datatype>string</datatype>
  <constraints>
    <template>(...) ...-....</template>
    <patterns>
      <pattern>\((\d{3})\)\s(\d{3})-(\d{4})</pattern>
    </patterns>
  </constraints>
  <presentation>
    <patternrefs>
      <patternref>($1) $2-$3</patternref>
    </patternrefs>
  </presentation>
</format>

```

Usage Details

1. Default datatype: **string**.
2. Default presentation:
 - calendar — **gregorian** (en_US locale)
 - casetype — **none**
 - currencylocale — the locale of the form
 - decimalseparator — period (.) (en_US locale)
 - fractiondigits — maximum number of digits allowed by data type
 - negativeindicator — minus sign (-) (en_US locale)
 - pad — **0**
 - padcharacter — **0** (en_US locale)

- pattern — n/a
- round — **up**
- groupingseparator — comma (,) (en_US locale)
- showcurrency — **on**
- significantdigits — the maximum number of digits allowed for the data type
- style — **medium**

Note: The default values for other locales are listed in the locale in the *Quick Reference* section.

3. Default constraints:

- casesensitive — **off**
- checks — **none**
- decimalseparator — period (.) (en_US locale)
- length — maximum range of lengths allowed for the data type
- mandatory — the *required* property of the linked XForms data element, or **off**
- message — the <xforms:alert> setting for the item, if present.
- patterns — n/a
- range — the maximum range allowed by the data type
- groupingseparators — comma (,)
- template — n/a
- yearwindow — a sliding date with a factor of 30

4. In some cases, it's possible to create formatting that will have unpredictable results. For example, if you specify that the grouping separator should be a period, this may cause problems since the decimal separator is also a period. Use good judgement when defining your formats.

5. All constraints are applied to the input data. This may create an item the user cannot complete. For example, the combination of data type date and constraint pattern of `##` creates such a situation. A date type cannot be formatted as a decimal number.

6. You should use caution if you are designing forms that use two digit dates. While the *yearwindow* setting provides a mechanism for interpreting two digit dates, the best solution is to use four digit dates.

7. When applying a format to a *combobox*, *list*, or *popup*, the formatting will be applied to the value of each cell linked to the item. Those cells that do not pass the check will be flagged or filtered. If a cell passes the checks, its value will be replaced with a formatted value before the item is displayed. The *label* option for these cells will remain unaffected.

8. When applying a format to a *combobox*, *list*, or *popup* item, a cell with an empty value will fail all format checks but will still be selectable, even if input is mandatory. This allows users to erase their previous choice (which will also reset all formulas based on that choice). However, users will still need to select a valid cell before they can submit the form.

9. If any two *comboboxes*, *lists*, or *popups* use the same set of cells, they must apply the same formatting.

10. The void data type disables a format line completely through the use of a compute. Void formats never fail regardless of the checks in the format statement.

11. For details on using the *format* option in buttons, see the Usage Details in the button item description.
12. The message constraint overrides the <xforms:alert> setting for the item. .
13. An item is mandatory if either the mandatory constraint is set to true or the required property for a bound data element is set to true.
14. If an element in the XForms data model is both empty and invalid, then any item on the form that is bound to that element is set to be mandatory.

Creating Localized Signatures

Signature buttons require localization. Although a valid digital signature displays the signer’s localized certificate information on the signature button, by default, an invalid digital signature displays “invalid” in English. Clickwrap signatures also indicate acceptance of a signing ceremony with “Accepted” displayed in English on the signature button.

To localize your signatures, you must:

1. Localize your strings.
2. Inside the signature button code, create a custom option to contain the “INVALID” string.
 - For example:<custom:invalid>Ungültige</custom:invalid>
3. If you are using a Clickwrap signature, create a custom option to contain the “Accepted” string.
 - For example: <custom:accepted>Anerkannte</custom:accepted>
4. Modify the compute on the *value* option of the signature button so that it references your custom options.
 - To create a compute that localizes digital and HMAC signatures, type:


```
<value compute="signer == ' ' ? signer : signer == 'INVALID' ? &#xA;
(custom:invalid) : signer"></value>
```
 - To create a compute that localizes Clickwrap signatures, type:


```
<value compute="signer==' ' ? signer : signer == 'Accepted' ? &#xA;
(custom:accepted) &#xA;
: signer == 'INVALID' ? (custom:invalid) : signer"></value>
```
 - To include a “Click here to sign” message on the unsigned signature button, replace `signer==' ' ? signer` with:


```
signer==' ' ? 'localized_ClickToSign_message'
```

The following sample shows the code you would add to create a completely localized Clickwrap signature in German:

```
<custom:invalid>Ungültige</custom:invalid>
<custom:accepted>Anerkannte</custom:accepted>
<value compute=" signer==' ' ? 'Klicken Sie hier, um zu unterzeichnen' &#xA;
: signer == 'Accepted' ? (custom:accepted) &#xA;
: signer == 'INVALID' ? (custom:invalid) : signer"></value>
```

Locale Quick Reference

The Locale Quick Reference provides locale-specific information for each locale. This data includes default currency and mathematical characters, presentation settings, and input and output formats for dates and time.

The input and output formats for date and time use a variety of symbols. These symbols are defined on page 16.

Chinese (Simplified Han, China) (zh-Hans-CN)

The following sections provide locale information for the Chinese (Simplified Han, China) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	¥
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy-M-d	03-6-13

Data Type	Style	Output Format	Example
	medium	yyyy-M-d	2003-6-13
	long	yyyy'年'M'月'd'日'	2003年6月13日
	full	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	周五
	long	EEEE	星期五
	full	EEEE	星期五
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy-M-d ah:mm	03-6-13下午6:52
	medium	yyyy-M-d ahh:mm:ss	03-6-13下午6:52:35
	long	yyyy'年'M'月'd'日'ahh '时'mm'分'ss'秒'	2003年6月13日 下午06时 52分35秒
month	numeric	M	6
	short	M	6
	medium	MMM	六月
	long	MMMM	六月
	full	MMMM	六月
time	numeric	H.mm	18.52
	short	ah:mm	下午6:52
	medium	ahh:mm:ss	下午6:52:35
	long	ahh'时'mm'分'ss'秒'	下午06时52分35秒
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 公元

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy-M-d	03-6-13
	yyyy-M-d	2003-6-13
	yyyy'年'M'月'd'日'	2003年6月13日
	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
	yyyyMMdd	20030613
	yy/MM/dd	03/06/13
	yyyy MMM d	2003六月13
	yyyy MMMM d	2003六月13
	EEEE, yyyy MMMM dd	星期五, 2003 六月13
	day_of_month	d
	dd	13
day_of_week	e	6
	ee	06
	EEE	周五
	EEEE	星期五
	date_time	yy-M-d ah:mm
	yyyy-M-d ahh:mm:ss	03-6-13下午6:52:35
	yyyy'年'M'月'd'日'ahh '时'mm'分'ss'秒'	2003年6月13日 下午06时 52分35秒
	yy/MM/dd HH:mm	03/06/13 18:52
	yyyy MMM d HH:mm:ss	2003六月13 18:52:35
month	M	6
	MM	06
	MMM	六月
	MMMM	六月
time	ah:mm	下午6:52
	ahh:mm:ss	下午6:52:35
	ahh'时'mm'分'ss'秒'	下午06时52分35秒
	ahh'时'mm'分'ss'秒' z	下午06时52分35秒 PDT
	HH:mm	18:52
	HH:mm:ss	18:52:35
	year	yy
	'yy	yy

Data Type	Input Format	Example
	yyyy	2003
	yyyy G	2003 公元

Chinese (Simplified Han, Singapore) (zh-Hans-SG)

The following sections provide locale information for the Chinese (Simplified Han, Singapore) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	S\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd-MMM-yy	13-六月-03
	long	dd MMM yyyy	13 六月 2003
	full	dd MMMM yyyy	13 六月 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	周五
	long	EEEE	星期五
	full	EEEE	星期五
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy a hh:mm	13/06/03下午 06:52
	medium	dd-MMM-yy a hh:mm	13-六月-03 下午 06:52
	long	dd MMM yyyy a hh:mm:ss	13 六月 2003 下午 06:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	六月
	long	MMMM	六月
	full	MMMM	六月
time	numeric	H.mm	18.52
	short	a hh:mm	下午6:52
	medium	a hh:mm	下午6:52
	long	a hh:mm:ss	下午6:52:35
	full	a hh:mm:ss	下午6:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 公元

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd-MMM-yy	13-六月-03
	dd MMM yyyy	13 六月 2003
	dd MMMM yyyy	13 六月 2003
	yyyyMMdd	20030613
	yy/MM/dd	03/06/13
	yyyy MMM d	2003六月13
	yyyy MMMM d	2003六月13

Data Type	Input Format	Example
	EEEE, yyyy MMMM dd	星期五, 2003 六月13
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	周五
	EEEE	星期五
date_time	dd/MM/yy a hh:mm	13/06/03下午 06:52
	dd-MMM-yy a hh:mm	13-六月-03 下午 06:52
	dd MMM yyyy a hh:mm:ss	13 六月2003 下午 06:52:35
	dd MMMM yyyy a hh:mm:ss	13 六月2003 下午 06:52:35
	yy/MM/dd HH:mm	03/06/13 18:52
	yyyy MMM d HH:mm:ss	2003 六月13 18:52:35
month	M	6
	MM	06
	MMM	六月
	MMMM	六月
time	a hh:mm	下午6:52
	a hh:mm	下午6:52
	a hh:mm:ss	下午6:52:35
	a hh:mm:ss	下午6:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 公元

Chinese (Traditional Han, Hong Kong S.A.R., China) (zh-Hant-HK)

The following sections provide locale information for the Chinese (Traditional Han, Hong Kong S.A.R., China) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	HK\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy'年'M'月'd'日'	03年6月13日
	medium	yyyy'年'M'月'd'日'	2003年6月13日
	long	yyyy'年'M'月'd'日'	2003年6月13日
	full	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
day_of_month	numeric	d	13
	short	d	13
	medium	d	13

Data Type	Style	Output Format	Example
	long	d	13
	full	d	13
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	周五
	long	EEEE	星期五
	full	EEEE	星期五
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy'年'M'月'd'日' ah:mm	03年6月13日 下午6:52
	medium	yy'年'M'月'd'日' ah:mm:ss	03年6月13日 下午6:52:35
	long	yyyy'年'M'月'd'日'ahh '时'mm'分'ss'秒'	2003年6月13日 下午06时 52分35秒
month	numeric	M	6
	short	M	6
	medium	MMM	6月
	long	MMMM	六月
	full	MMMM	六月
time	numeric	H.mm	18.52
	short	ah:mm	下午6:52
	medium	ahh:mm:ss	下午6:52:35
	long	ahh'时'mm'分'ss'秒'	下午06时52分35秒
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 公元

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy'年'M'月'd'日'	03年6月13日
	yyyy'年'M'月'd'日'	2003年6月13日
	yyyy'年'M'月'd'日'	2003年6月13日

Data Type	Input Format	Example
	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
	yyyyMMdd	20030613
	yyyy/M/d	2003/6/13
	yyyy/M/d	2003/6/13
	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
	yy/MM/dd	03/06/13
	yyyy MMM d	2003 6月 13
	yyyy MMMM d	2003 六月 13
	EEEE, yyyy MMMM dd	星期五, 2003 六月13
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	周五
	EEEE	星期五
date_time	yy'年'M'月'd'日' ah:mm	03年6月13日 下午6:52
	yy'年'M'月'd'日' ah:mm:ss	2003年6月13日 下午06时 52分35秒
	yyyy'年'M'月'd'日'ahh '时'mm'分'ss'秒'	2003年6月13日 下午06时 52分35秒
	yyyy'年'M'月'd'日'EEEE ahh'时'mm'分'ss'秒'z	2003年6月13日星期五 下午 06时52分35秒 PDT
	yyyy/M/d a h:mm	2003/6/13下午6:52
	yyyy/M/d a h:mm:ss	2003/6/13下午6:52:35
	yyyy'年'M'月'd'日'EEEE ahh'时'mm'分'ss'秒'z	2003年6月13日星期五 下午 06时52分35秒 PDT
	yy/MM/dd HH:mm	03/06/13 18:52
	yyyy MMM d HH:mm:ss	2003 6月 13 18:52:35
month	M	6
	MM	06
	MMM	6月
	MMMM	六月
time	ah:mm	下午6:52
	ahh:mm:ss	下午6:52:35
	ahh'时'mm'分'ss'秒'	下午06时52分35秒

Data Type	Input Format	Example
	a h:mm	下午6:52
	a h:mm:ss	△△ 6:52:35 下午6:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
	HH:mm:ss z	18:52:35 PDT
	HH:mm:ss z	18:52:35 PDT
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 公元

Chinese (Traditional Han, Taiwan) (zh-Hant-TW)

The following sections provide locale information for the Chinese (Traditional Han, Taiwan) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	NT\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy/M/d	2003/6/13
	medium	yyyy/M/d	2003/6/13
	long	yyyy'年'M'月'd'日'	2003年6月13日
	full	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	周五
	long	EEEE	星期五
	full	EEEE	星期五
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy/M/d a h:mm	2003/6/13下午6:52
	medium	yyyy/M/d a h:mm:ss	2003/6/13下午6:52:35
	long	yyyy'年'M'月'd'日' ahh'时'mm'分'ss'秒'	2003年6月13日下午 06时52分35秒
month	numeric	M	6
	short	M	6
	medium	MMM	六月
	long	MMMM	六月
	full	MMMM	六月
time	numeric	H.mm	18.52
	short	a h:mm	下午6:52
	medium	a h:mm:ss	下午6:52:35
	long	ahh'时'mm'分'ss'秒'	下午06时52分35秒
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 公元

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yyyy/M/d	2003/6/13
	yyyy/M/d	2003/6/13
	yyyy'年'M'月'd'日'	2003年6月13日
	yyyy'年'M'月'd'日'EEEE	2003年6月13日星期五
	yyyyMMdd	20030613
	yy/MM/dd	03/06/13

Data Type	Input Format	Example
	yyyy MMM d	2003六月13
	yyyy MMMM d	2003六月13
	EEEE, yyyy MMMM dd	星期五, 2003 六月13
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	周五
	EEEE	星期五
date_time	yyyy/M/d a h:mm	2003/6/13下午6:52
	yyyy/M/d a h:mm:ss	2003/6/13下午6:52:35
	yyyy'年'M'月'd'日' ahh'時'mm'分'ss'秒'	2003年6月13日 下午 06時52分35秒
	yy/MM/dd HH:mm	03/06/13 18:52
	yyyy MMM d HH:mm:ss	2003六月13 18:52:35
	EEEE, yyyy MMMM dd HH:mm:ss z	星期五, 2003六月13 18:52:35 PDT
month	M	6
	MM	06
	MMM	六月
	MMMM	六月
time	a h:mm	下午6:52
	a h:mm:ss	下午6:52:35
	ahh'時'mm'分'ss'秒'	下午06时52分35秒
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 公元

Croatian (Croatia) (hr-HR)

The following sections provide locale information for the Croatian (Croatia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	HRK
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy.MM.dd	2003.06.13
	medium	yyyy.MM.dd	2003.06.13
	long	yyyy. MMMM dd	2003. lipnja 13
	full	yyyy. MMMM dd	2003. lipnja 13
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	5

Data Type	Style	Output Format	Example
	short	e	5
	medium	EEE	pet
	long	EEEE	petak
	full	EEEE	petak
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy.MM.dd HH:mm	2003.06.13 18:52
	medium	yyyy.MM.dd HH:mm:ss	2003.06.13 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	lip
	long	MMMM	lipnja
	full	MMMM	lipnja
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 CE

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yyyy.MM.dd	2003.06.13
	yyyy.MM.dd	2003.06.13
	yyyy. MMMM dd	2003. lipnja 13
	yyyy. MMMM dd	2003. lipnja 13
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	pet
	EEEE	petak
date_time	yyyy.MM.dd HH:mm	2003.06.13 18:52
	yyyy.MM.dd HH:mm:ss	2003.06.13 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	lip
	MMMM	lipnja
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 CE

Czech (Czech Republic) (cs-CZ)

The following sections provide locale information for the Czech (Czech Republic) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	Kč
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d.M.yy	13.6.03
	medium	d.M.yyyy	13.6.2003
	long	d. MMMM yyyy	13. června 2003
	full	EEEE, d. MMMM yyyy	pátek, 13. června 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	5

Data Type	Style	Output Format	Example
	short	e	5
	medium	EEE	pá
	long	EEEE	pátek
	full	EEEE	pátek
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d.M.yy H:mm	13.6.03 18:52
	medium	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	6.
	long	MMMM	června
	full	MMMM	června
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 po Kr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d.M.yy	13.6.03
	d.M.yyyy	13.6.2003
	d. MMMM yyyy	13. června 2003
	EEEE, d. MMMM yyyy	pátek, 13. června 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	pá
	EEEE	pátek
date_time	d.M.yy H:mm	13.6.03 18:52
	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	6.
	MMMM	června
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 po Kr.

Danish (Denmark) (da-DK)

The following sections provide locale information for the Danish (Denmark) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	kr
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d. MMM yyyy	13. jun 2003
	full	EEEE 'den' d. MMMM yyyy	fredag den 13. juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	fre
	long	EEEE	fredag
	full	EEEE	fredag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy H.mm	13/06/03 18.52
	medium	dd/MM/yyyy H.mm.ss	13/06/2003 18.52.35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	juni
	full	MMMM	juni
time	numeric	H.mm	18.52
	short	H.mm	18.52
	medium	H.mm.ss	18.52.35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 e.Kr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d. MMM yyyy	13. jun 2003
	EEEE 'den' d. MMMM yyyy	fredag den 13. juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	fre
	EEEE	fredag
date_time	dd/MM/yy H.mm	13/06/03 18.52
	dd/MM/yyyy H.mm.ss	13/06/2003 18.52.35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	jun
	MMMM	juni
time	H.mm	18.52
	H.mm.ss	18.52.35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 e.Kr.

Dutch (Belgium) (nl-BE)

The following sections provide locale information for the Dutch (Belgium) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	d-MMM-yy	13-jun-03
	long	d MMMM yyyy	13 juni 2003
	full	EEEE d MMMM yyyy	vrijdag 13 juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vr
	long	EEEE	vrijdag
	full	EEEE	vrijdag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy HH:mm	13/06/03 18:52
	medium	d-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	juni
	full	MMMM	juni
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	d-MMM-yy	13-jun-03
	d MMMM yyyy	13 juni 2003
	EEEE d MMMM yyyy	vrijdag 13 juni 2003
	yyyyMMdd	20030613
	d-M-yy	13-6-03
	d-MMM-yyyy	13-jun-2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vr
	EEEE	vrijdag
date_time	d/MM/yy HH:mm	13/06/03 18:52

Data Type	Input Format	Example
	d-MMM-yy HH:mm:ss	13-jun-03 18:52:35
	d-M-yy H:mm	13-6-03 18:52
	d-MMM-yyyy H:mm:ss	13-jun-2003 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	juni
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

Dutch (Netherlands) (nl-NL)

The following sections provide locale information for the Dutch (Netherlands) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d-M-yy	13-6-03
	medium	d-MMM-yyyy	13-jun-2003
	long	d MMMM yyyy	13 juni 2003
	full	EEEE d MMMM yyyy	vrijdag 13 juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	vr
	long	EEEE	vrijdag
	full	EEEE	vrijdag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d-M-yy H:mm	13-6-03 18:52
	medium	d-MMM-yyyy H:mm:ss	13-jun-2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	juni
	full	MMMM	juni
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d-M-yy	13-6-03
	d-MMM-yyyy	13-jun-2003
	d MMMM yyyy	13 juni 2003
	EEEE d MMMM yyyy	vrijdag 13 juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	vr
	EEEE	vrijdag
date_time	d-M-yy H:mm	13-6-03 18:52
	d-MMM-yyyy H:mm:ss	13-jun-2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	jun
	MMMM	juni
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

English (Australia) (en-AU)

The following sections provide locale information for the English (Australia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d MMMM yyyy	13 June 2003
	full	EEEE, d MMMM yyyy	Friday, 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy h:mm a	13/06/03 6:52 PM
	medium	dd/MM/yyyy h:mm:ss a	13/06/2003 6:52:35 PM
	long	d MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
	long	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d MMMM yyyy	13 June 2003
	EEEE, d MMMM yyyy	Friday, 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13

Data Type	Input Format	Example
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	d/MM/yy h:mm a	13/06/03 6:52 PM

Data Type	Input Format	Example
	dd/MM/yyyy h:mm:ss a	13/06/2003 6:52:35 PM
	d MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	yyyyMMdd hmm a	20030613 652 PM
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852

Data Type	Input Format	Example
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM

Data Type	Input Format	Example
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52

Data Type	Input Format	Example
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Belgium) (en-BE)

The following sections provide locale information for the English (Belgium) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd MMM yyyy	13 Jun 2003
	long	EEE d MMM yyyy	Fri 13 Jun 2003
	full	EEEE d MMMM yyyy	Friday 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd MMM yyyy	13 Jun 2003
	EEE d MMM yyyy	Fri 13 Jun 2003
	EEEE d MMMM yyyy	Friday 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13

Data Type	Input Format	Example
	yyyy MMMM dd	2003 June 13
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h:mm a	20030613 6:52 PM

Data Type	Input Format	Example
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM

Data Type	Input Format	Example
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235

Data Type	Input Format	Example
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h:mm a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM

Data Type	Input Format	Example
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Canada) (en-CA)

The following sections provide locale information for the English (Canada) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy-MM-dd	2003-06-13
	medium	d MMM yyyy	13 Jun 2003
	long	MMMM d, yyyy	June 13, 2003
	full	EEEE, MMMM d, yyyy	Friday, June 13, 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy-MM-dd H:mm	2003-06-13 18:52
	medium	d MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	long	MMMM d, yyyy h:mm a	June 13, 2003 6:52 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	h:mm a	6:52 PM
	long	h:mm a	6:52 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyyMMdd	20030613
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13

Data Type	Input Format	Example
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM

Data Type	Input Format	Example
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM

Data Type	Input Format	Example
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H:mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H:mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H:mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35

Data Type	Input Format	Example
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h:mm a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852

Data Type	Input Format	Example
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Hong Kong S.A.R., China) (en-HK)

The following sections provide locale information for the English (Hong Kong S.A.R., China) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yyyy	13/06/2003
	medium	d MMM yyyy	13 Jun 2003
	long	d MMMM yyyy	13 June 2003
	full	EEEE, d MMMM yyyy	Friday, 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yyyy h:mm a	13/06/2003 6:52 PM
	medium	d MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yyyy	13/06/2003
	d MMM yyyy	13 Jun 2003
	d MMMM yyyy	13 June 2003
	EEEE, d MMMM yyyy	Friday, 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13

Data Type	Input Format	Example
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yyyy h:mm a	13/06/2003 6:52 PM
	d MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	yyyyMMdd hmm a	20030613 652 PM

Data Type	Input Format	Example
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35

Data Type	Input Format	Example
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM

Data Type	Input Format	Example
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM

Data Type	Input Format	Example
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (India) (en-IN)

The following sections provide locale information for the English (India) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	Rs.
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd-MMM-yy	13-Jun-03
	long	d MMMM yyyy	13 June 2003
	full	EEEE d MMMM yyyy	Friday 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy h:mm a	13/06/03 6:52 PM
	medium	dd-MMM-yy h:mm:ss a	13-Jun-03 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd-MMM-yy	13-Jun-03
	d MMMM yyyy	13 June 2003
	EEEE d MMMM yyyy	Friday 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13

Data Type	Input Format	Example
	yyyy MMMM dd	2003 June 13
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yy h:mm a	13/06/03 6:52 PM
	dd-MMM-yy h:mm:ss a	13-Jun-03 6:52:35 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM

Data Type	Input Format	Example
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52

Data Type	Input Format	Example
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM

Data Type	Input Format	Example
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h.m a	6.52 PM

Data Type	Input Format	Example
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Ireland) (en-IE)

The following sections provide locale information for the English (Ireland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yyyy	13/06/2003
	medium	d MMM yyyy	13 Jun 2003
	long	d MMMM yyyy	13 June 2003
	full	EEEE d MMMM yyyy	Friday 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yyyy HH:mm	13/06/2003 18:52
	medium	d MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yyyy	13/06/2003
	d MMM yyyy	13 Jun 2003
	d MMMM yyyy	13 June 2003
	EEEE d MMMM yyyy	Friday 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13

Data Type	Input Format	Example
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yyyy HH:mm	13/06/2003 18:52
	d MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	yyyyMMdd hmm a	20030613 652 p.m.

Data Type	Input Format	Example
	yyyyMMdd hmmss a	20030613 65235 p.m.
	yyyyMMdd h:mm a	20030613 6:52 p.m.
	yyyyMMdd h:mm:ss a	20030613 6:52:35 p.m.
	yyyyMMdd h.mm a	20030613 6.52 p.m.
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 p.m.
	dd MMM yyyy hmmss a	13 Jun 2003 65235 p.m.
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 p.m.
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 p.m.
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 p.m.
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 p.m.
	dd MMMM yyyy hmmss a	13 June 2003 65235 p.m.
	dd MMMM yyyy h:mm a	13 June 2003 6:52 p.m.
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 p.m.
	dd MMMM yyyy h.mm a	13 June 2003 6.52 p.m.
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 p.m.
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 p.m.
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 p.m.
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 p.m.
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 p.m.
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35

Data Type	Input Format	Example
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 p.m.
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 p.m.
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 p.m.
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 p.m.
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 p.m.
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 p.m.
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 p.m.
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 p.m.
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 p.m.
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 p.m.
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 p.m.
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 p.m.
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 p.m.
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 p.m.
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 p.m.
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 p.m.
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 p.m.
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 p.m.
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 p.m.

Data Type	Input Format	Example
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 p.m.
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 p.m.
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 p.m.
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 p.m.
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 p.m.
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 p.m.
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	h	6
	H	18
	h a	6 p.m.
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 p.m.
	hmm a	652 p.m.
	hhmm a	0652 p.m.
	h:m a	6:52 p.m.

Data Type	Input Format	Example
	h:mm a	6:52 p.m.
	h.m a	6.52 p.m.
	h.mm a	6.52 p.m.
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (New Zealand) (en-NZ)

The following sections provide locale information for the English (New Zealand) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	d/MM/yyyy	13/06/2003
	long	d MMMM yyyy	13 June 2003
	full	EEEE, d MMMM yyyy	Friday, 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy h:mm a	13/06/03 6:52 PM
	medium	d/MM/yyyy h:mm:ss a	13/06/2003 6:52:35 PM
	long	d MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
	long	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	d/MM/yyyy	13/06/2003
	d MMMM yyyy	13 June 2003
	EEEE, d MMMM yyyy	Friday, 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13

Data Type	Input Format	Example
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday

Data Type	Input Format	Example
date_time	d/MM/yy h:mm a	13/06/03 6:52 PM
	d/MM/yyyy h:mm:ss a	13/06/2003 6:52:35 PM
	d MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	yyyyMMdd hmm a	20030613 652 PM
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM

Data Type	Input Format	Example
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35

Data Type	Input Format	Example
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52

Data Type	Input Format	Example
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Philippines) (en-PH)

The following sections provide locale information for the English (Philippines) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	PHP
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	M/d/yy	6/13/03
	medium	MM d, yy	06 13, 03
	long	MMMM d, yyyy	June 13, 2003
	full	EEEE, MMMM d, yyyy	Friday, June 13, 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	M/d/yy h:mm a	6/13/03 6:52 PM
	medium	MM d, yy h:mm:ss a	06 13, 03 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	M/d/yy	6/13/03
	MM d, yy	06 13, 03
	MMMM d, yyyy	June 13, 2003
	EEEE, MMMM d, yyyy	Friday, June 13, 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13

Data Type	Input Format	Example
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	M/d/yy h:mm a	6/13/03 6:52 PM
	MM d, yy h:mm:ss a	06 13, 03 6:52:35 PM
	yyyyMMdd h:mm a	20030613 652 PM
	yyyyMMdd h:mm:ss a	20030613 65235 PM

Data Type	Input Format	Example
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52

Data Type	Input Format	Example
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM

Data Type	Input Format	Example
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h.m a	6.52 PM

Data Type	Input Format	Example
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (Singapore) (en-SG)

The following sections provide locale information for the English (Singapore) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd-MMM-yy	13-Jun-03
	long	dd MMM yyyy	13 Jun 2003
	full	dd MMMM yyyy	13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	6

Data Type	Style	Output Format	Example
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy a hh:mm	13/06/03 PM 06:52
	medium	dd-MMM-yy a hh:mm	13-Jun-03 PM 06:52
	long	dd MMM yyyy a hh:mm:ss	13 Jun 2003 PM 06:52:35
	full	dd MMMM yyyy a hh:mm:ss	13 June 2003 PM 06:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	a hh:mm	PM 06:52
	medium	a hh:mm	PM 06:52
	long	a hh:mm:ss	PM 06:52:35
	full	a hh:mm:ss	PM 06:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd-MMM-yy	13-Jun-03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yyyy	13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13

Data Type	Input Format	Example
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMMM yy	13 June 03
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yy a hh:mm	13/06/03 PM 06:52
	dd-MMM-yy a hh:mm	13-Jun-03 PM 06:52

Data Type	Input Format	Example
	dd MMM yyyy a hh:mm:ss	13 Jun 2003 PM 06:52:35
	dd MMMM yyyy a hh:mm:ss	13 June 2003 PM 06:52:35
	yyyyMMdd hmm a	20030613 652 PM
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852

Data Type	Input Format	Example
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM

Data Type	Input Format	Example
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	a hh:mm	PM 06:52
	a hh:mm	PM 06:52
	a hh:mm:ss	PM 06:52:35
	a hh:mm:ss	PM 06:52:35
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52

Data Type	Input Format	Example
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h:mm a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (South Africa) (en-ZA)

The following sections provide locale information for the English (South Africa) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	R
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy/MM/dd	2003/06/13
	medium	dd MMM yyyy	13 Jun 2003
	long	dd MMMM yyyy	13 June 2003
	full	EEEE dd MMMM yyyy	Friday 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy/MM/dd h:mm a	2003/06/13 6:52 PM
	medium	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	long	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	full	EEEE dd MMMM yyyy h:mm:ss a	Friday 13 June 2003 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
	long	h:mm:ss a	6:52:35 PM
	full	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yyyy/MM/dd	2003/06/13
	dd MMM yyyy	13 Jun 2003
	dd MMMM yyyy	13 June 2003
	EEEE dd MMMM yyyy	Friday 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13

Data Type	Input Format	Example
	yyyy-MM-dd	2003-06-13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMMM yy	13 June 03
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday

Data Type	Input Format	Example
date_time	yyyy/MM/dd h:mm a	2003/06/13 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	EEEE dd MMMM yyyy h:mm:ss a	Friday 13 June 2003 6:52:35 PM
	yyyyMMdd hmm a	20030613 652 PM
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM

Data Type	Input Format	Example
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35

Data Type	Input Format	Example
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	h:mm:ss a	6:52:35 PM
	h:mm:ss a	6:52:35 PM
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52

Data Type	Input Format	Example
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (United Kingdom) (en-GB)

The following sections provide locale information for the English (United Kingdom) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	£
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yyyy	13/06/2003
	medium	d MMM yyyy	13 Jun 2003
	long	d MMMM yyyy	13 June 2003
	full	EEEE, d MMMM yyyy	Friday, 13 June 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yyyy HH:mm	13/06/2003 18:52
	medium	d MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yyyy	13/06/2003
	d MMM yyyy	13 Jun 2003
	d MMMM yyyy	13 June 2003
	EEEE, d MMMM yyyy	Friday, 13 June 2003
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13

Data Type	Input Format	Example
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fri
	EEEE	Friday
date_time	dd/MM/yyyy HH:mm	13/06/2003 18:52
	d MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	yyyyMMdd hmm a	20030613 652 PM

Data Type	Input Format	Example
	yyyyMMdd hmmss a	20030613 65235 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35

Data Type	Input Format	Example
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM
	dd MMMM yyyy G hmmss a	13 June 2003 AD 65235 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM a
	dd MMMM yyyy G h.mm a	13 June 2003 AD 6.52 PM
	dd MMMM yyyy G Hmm	13 June 2003 AD 1852
	dd MMMM yyyy G Hmmss	13 June 2003 AD 185235
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H.mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy hmm a	Jun 13, 2003 652 PM
	MMM dd, yyyy hmmss a	Jun 13, 2003 65235 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h.mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy Hmm	Jun 13, 2003 1852
	MMM dd, yyyy Hmmss	Jun 13, 2003 185235
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H.mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy hmm a	June 13, 2003 652 PM
	MMMM dd, yyyy hmmss a	June 13, 2003 65235 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h.mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy Hmm	June 13, 2003 1852
	MMMM dd, yyyy Hmmss	June 13, 2003 185235
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H.mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G hmm a	Jun 13, 2003 AD 652 PM
	MMM dd, yyyy G hmmss a	Jun 13, 2003 AD 65235 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM

Data Type	Input Format	Example
	MMM dd, yyyy G h.mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G Hmm	Jun 13, 2003 AD 1852
	MMM dd, yyyy G Hmmss	Jun 13, 2003 AD 185235
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM

Data Type	Input Format	Example
	h:mm a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

English (United States) (en-US)

The following sections provide locale information for the English (United States) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy-MM-dd	2003-06-13
	medium	d MMM yyyy	13 Jun 2003
	long	MMMM d, yyyy	June 13, 2003
	full	EEEE, MMMM d, yyyy	Friday, June 13, 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	Fri
	long	EEEE	Friday
	full	EEEE	Friday
date_time	numeric	yyyyMMdd H:mm	20030613 18.52
	short	yyyy-MM-dd H:mm	2003-06-13 18:52
	medium	d MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	long	MMMM d, yyyy h:mm a	June 13, 2003 6:52 PM
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	June
	full	MMMM	June
time	numeric	H:mm	18.52
	short	H:mm	18:52
	medium	h:mm a	6:52 PM
	long	h:mm a	6:52 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 AD

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy-MM-dd	03-06-13
	yy/MM/dd	03/06/13
	yy MM dd	03 06 13
	yyyyMMdd	20030613
	yyyy-MM-dd	2003-06-13
	yyyy/MM/dd	2003/06/13
	yyyy MM dd	2003 06 13
	yy MMM dd	03 Jun 13
	yy MMMM dd	03 June 13
	yyyy MMM dd	2003 Jun 13
	yyyy MMMM dd	2003 June 13

Data Type	Input Format	Example
	dd/MM/yy	13/06/03
	dd-MM-yy	13-06-03
	dd MM yy	13 06 03
	dd/MM/yyyy	13/06/2003
	dd-MM-yyyy	13-06-2003
	dd MM yyyy	13 06 2003
	dd MMM yy	13 Jun 03
	dd MMM yyyy	13 Jun 2003
	dd MMMM yy	13 June 03
	dd MMMM yyyy	13 June 2003
	dd MMM yy G	13 Jun 03 AD
	dd MMM yyyy G	13 Jun 2003 AD
	dd MMMM yy G	13 June 03 AD
	dd MMMM yyyy G	13 June 2003 AD
	MMM dd, yy	Jun 13, 03
	MMM dd, yyyy	Jun 13, 2003
	MMMM dd, yy	June 13, 03
	MMMM dd, yyyy	June 13, 2003
	MMM dd, yy G	Jun 13, 03 AD
	MMM dd, yyyy G	Jun 13, 2003 AD
	MMMM dd, yy G	June 13, 03 AD
	MMMM dd, yyyy G	June 13, 2003 AD
	MM/dd/yy	06/13/03
	MM-dd-yy	06-13-03
	MM dd yy	06 13 03
	MM/dd/yyyy	06/13/2003
	MM-dd-yyyy	06-13-2003
	MM dd yyyy	06 13 2003
	MMM dd yyyy	Jun 13 2003
	MMMM dd yyyy	June 13 2003
	EEEE, MMMM dd, yyyy	Friday, June 13, 2003
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	Fri
	EEEE	Friday
date_time	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM
	yyyyMMdd h:mm a	20030613 6:52 PM
	yyyyMMdd h:mm:ss a	20030613 6:52:35 PM

Data Type	Input Format	Example
	yyyyMMdd h.mm a	20030613 6.52 PM
	yyyyMMdd Hmm	20030613 1852
	yyyyMMdd Hmmss	20030613 185235
	yyyyMMdd H:mm	20030613 18:52
	yyyyMMdd H:mm:ss	20030613 18:52:35
	yyyyMMdd H.mm	20030613 18.52
	yyyyMMdd HH:mm:ss	20030613 18:52:35
	dd MMM yyyy hmm a	13 Jun 2003 652 PM
	dd MMM yyyy hmmss a	13 Jun 2003 65235 PM
	dd MMM yyyy h:mm a	13 Jun 2003 6:52 PM
	dd MMM yyyy h:mm:ss a	13 Jun 2003 6:52:35 PM
	dd MMM yyyy h.mm a	13 Jun 2003 6.52 PM
	dd MMM yyyy Hmm	13 Jun 2003 1852
	dd MMM yyyy Hmmss	13 Jun 2003 185235
	dd MMM yyyy H:mm	13 Jun 2003 18:52
	dd MMM yyyy H:mm:ss	13 Jun 2003 18:52:35
	dd MMM yyyy H.mm	13 Jun 2003 18.52
	dd MMM yyyy HH:mm:ss	13 Jun 2003 18:52:35
	dd MMMM yyyy hmm a	13 June 2003 652 PM
	dd MMMM yyyy hmmss a	13 June 2003 65235 PM
	dd MMMM yyyy h:mm a	13 June 2003 6:52 PM
	dd MMMM yyyy h:mm:ss a	13 June 2003 6:52:35 PM
	dd MMMM yyyy h.mm a	13 June 2003 6.52 PM
	dd MMMM yyyy Hmm	13 June 2003 1852
	dd MMMM yyyy Hmmss	13 June 2003 185235
	dd MMMM yyyy H:mm	13 June 2003 18:52
	dd MMMM yyyy H:mm:ss	13 June 2003 18:52:35
	dd MMMM yyyy H.mm	13 June 2003 18.52
	dd MMMM yyyy HH:mm:ss	13 June 2003 18:52:35
	dd MMM yyyy G hmm a	13 Jun 2003 AD 652 PM
	dd MMM yyyy G hmmss a	13 Jun 2003 AD 65235 PM
	dd MMM yyyy G h:mm a	13 Jun 2003 AD 6:52 PM
	dd MMM yyyy G h:mm:ss a	13 Jun 2003 AD 6:52:35 PM
	dd MMM yyyy G h.mm a	13 Jun 2003 AD 6.52 PM
	dd MMM yyyy G Hmm	13 Jun 2003 AD 1852
	dd MMM yyyy G Hmmss	13 Jun 2003 AD 185235
	dd MMM yyyy G H:mm	13 Jun 2003 AD 18:52
	dd MMM yyyy G H:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMM yyyy G H.mm	13 Jun 2003 AD 18.52
	dd MMM yyyy G HH:mm:ss	13 Jun 2003 AD 18:52:35
	dd MMMM yyyy G hmm a	13 June 2003 AD 652 PM

Data Type	Input Format	Example
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G h:mm:ss a	13 June 2003 AD 6:52:35 PM
	dd MMMM yyyy G h:mm a	13 June 2003 AD 6:52 PM
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H:mm	13 June 2003 AD 18:52
	dd MMMM yyyy G H:mm:ss	13 June 2003 AD 18:52:35
	dd MMMM yyyy G H:mm	13 June 2003 AD 18.52
	dd MMMM yyyy G HH:mm:ss	13 June 2003 AD 18:52:35
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6:52 PM
	MMM dd, yyyy h:mm:ss a	Jun 13, 2003 6:52:35 PM
	MMM dd, yyyy h:mm a	Jun 13, 2003 6.52 PM
	MMM dd, yyyy H:mm	Jun 13, 2003 18:52
	MMM dd, yyyy H:mm:ss	Jun 13, 2003 18:52:35
	MMM dd, yyyy H:mm	Jun 13, 2003 18.52
	MMM dd, yyyy HH:mm:ss	Jun 13, 2003 18:52:35
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6:52 PM
	MMMM dd, yyyy h:mm:ss a	June 13, 2003 6:52:35 PM
	MMMM dd, yyyy h:mm a	June 13, 2003 6.52 PM
	MMMM dd, yyyy H:mm	June 13, 2003 18:52
	MMMM dd, yyyy H:mm:ss	June 13, 2003 18:52:35
	MMMM dd, yyyy H:mm	June 13, 2003 18.52
	MMMM dd, yyyy HH:mm:ss	June 13, 2003 18:52:35
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6:52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G h:mm:ss a	Jun 13, 2003 AD 6:52:35 PM
	MMM dd, yyyy G h:mm a	Jun 13, 2003 AD 6.52 PM
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35

Data Type	Input Format	Example
	MMM dd, yyyy G H:mm	Jun 13, 2003 AD 18:52
	MMM dd, yyyy G H:mm:ss	Jun 13, 2003 AD 18:52:35
	MMM dd, yyyy G H.mm	Jun 13, 2003 AD 18.52
	MMM dd, yyyy G HH:mm:ss	Jun 13, 2003 AD 18:52:35
	MMMM dd, yyyy G hmm a	June 13, 2003 AD 652 PM
	MMMM dd, yyyy G hmmss a	June 13, 2003 AD 65235 PM
	MMMM dd, yyyy G h:mm a	June 13, 2003 AD 6:52 PM
	MMMM dd, yyyy G h:mm:ss a	June 13, 2003 AD 6:52:35 PM
	MMMM dd, yyyy G h.mm a	June 13, 2003 AD 6.52 PM
	MMMM dd, yyyy G Hmm	June 13, 2003 AD 1852
	MMMM dd, yyyy G Hmmss	June 13, 2003 AD 185235
	MMMM dd, yyyy G H:mm	June 13, 2003 AD 18:52
	MMMM dd, yyyy G H:mm:ss	June 13, 2003 AD 18:52:35
	MMMM dd, yyyy G H.mm	June 13, 2003 AD 18.52
	MMMM dd, yyyy G HH:mm:ss	June 13, 2003 AD 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	June
time	h	6
	H	18
	h a	6 PM
	hm	652
	hmm	652
	h:m	6:52
	h:mm	6:52
	h.m	6.52
	h.mm	6.52
	hm a	652 PM
	hmm a	652 PM
	hhmm a	0652 PM
	h:m a	6:52 PM
	h:mm a	6:52 PM
	h.m a	6.52 PM
	h.mm a	6.52 PM
	Hm	1852
	Hmm	1852

Data Type	Input Format	Example
	H:m	18:52
	H:mm	18:52
	H.m	18.52
	H.mm	18.52
	HHmm	1852
	h:mm s	6:52 35
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 AD

Finnish (Finland) (fi-FI)

The following sections provide locale information for the Finnish (Finland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d.M.yyyy	13.6.2003
	medium	d.M.yyyy	13.6.2003
	long	d. MMMM'ta 'yyyy	13. kesäkuuta 2003
	full	EEEE'na 'd. MMMM'ta 'yyyy	perjantaina 13. kesäkuuta 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	pe
	long	EEEE	perjantai
	full	EEEE	perjantai
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d.M.yyyy H.mm	13.6.2003 18.52
	medium	d.M.yyyy H.mm.ss	13.6.2003 18.52.35
	long	d. MMMM'ta 'yyyy 'klo 'H.mm.ss	13. kesäkuuta 2003 klo 18.52.35
month	numeric	M	6
	short	M	6
	medium	MMM	kesä
	long	MMMM	kesäkuu
	full	MMMM	kesäkuu
time	numeric	H.mm	18.52
	short	H.mm	18.52
	medium	H.mm.ss	18.52.35
	long	'klo 'H.mm.ss	klo 18.52.35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 jKr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d.M.yyyy	13.6.2003
	d.M.yyyy	13.6.2003
	d. MMMM'ta 'yyyy	13. kesäkuuta 2003
	EEEE'na 'd. MMMM'ta 'yyyy	perjantaina 13. kesäkuuta 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	pe
	EEEE	perjantai

Data Type	Input Format	Example
date_time	d.M.yyyy H.mm	13.6.2003 18.52
	d.M.yyyy H.mm.ss	13.6.2003 18.52.35
	d. MMMM'ta 'yyyy 'klo 'H.mm.ss	13. kesäkuuta 2003 klo 18.52.35
month	M	6
	MM	06
	MMM	kesä
	MMMM	kesäkuu
time	H.mm	18.52
	H.mm.ss	18.52.35
	'klo 'H.mm.ss	klo 18.52.35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 jKr.

French (Belgium) (fr-BE)

The following sections provide locale information for the French (Belgium) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	dd-MMM-yy	13-juin-03
	long	d MMMM yyyy	13 juin 2003
	full	EEEE d MMMM yyyy	vendredi 13 juin 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven.
	long	EEEE	vendredi
	full	EEEE	vendredi
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy HH:mm	13/06/03 18:52
	medium	dd-MMM-yy HH:mm:ss	13-juin-03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	juin
	long	MMMM	juin
	full	MMMM	juin
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 apr. J.-C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	dd-MMM-yy	13-juin-03
	d MMMM yyyy	13 juin 2003
	EEEE d MMMM yyyy	vendredi 13 juin 2003
	yyyyMMdd	20030613
day_of_month	dd/MM/yy	13/06/03
	d MMM yy	13 juin 03
	d	13
day_of_week	dd	13
	e	5
	ee	05
	EEE	ven.
	EEEE	vendredi
date_time	d/MM/yy HH:mm	13/06/03 18:52

Data Type	Input Format	Example
	dd-MMM-yy HH:mm:ss	13-juin-03 18:52:35
	dd/MM/yy HH:mm	13/06/03 18:52
	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	M	6
	MM	06
	MMM	juin
	MMMM	juin
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 apr. J.-C.

French (Canada) (fr-CA)

The following sections provide locale information for the French (Canada) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy-MM-dd	03-06-13
	medium	yy-MM-dd	03-06-13
	long	d MMMM yyyy	13 juin 2003
	full	EEEE d MMMM yyyy	vendredi 13 juin 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	ven.
	long	EEEE	vendredi
	full	EEEE	vendredi
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy-MM-dd HH:mm	03-06-13 18:52
	medium	yy-MM-dd HH:mm:ss	03-06-13 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	juin
	long	MMMM	juin
	full	MMMM	juin
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 apr. J.-C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy-MM-dd	03-06-13
	yy-MM-dd	03-06-13
	d MMMM yyyy	13 juin 2003
	EEEE d MMMM yyyy	vendredi 13 juin 2003
	yyyyMMdd	20030613
	dd/MM/yy	13/06/03
	d MMM yy	13 juin 03
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	ven.
	EEEE	vendredi
date_time	yy-MM-dd HH:mm	03-06-13 18:52

Data Type	Input Format	Example
	yy-MM-dd HH:mm:ss	03-06-13 18:52:35
	dd/MM/yy HH:mm	13/06/03 18:52
	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	M	6
	MM	06
	MMM	juin
	MMMM	juin
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 apr. J.-C.

French (France) (fr-FR)

The following sections provide locale information for the French (France) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	d MMM yy	13 juin 03
	long	d MMMM yyyy	13 juin 2003
	full	EEEE d MMMM yyyy	vendredi 13 juin 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven.
	long	EEEE	vendredi
	full	EEEE	vendredi
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	juin
	long	MMMM	juin
	full	MMMM	juin
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 apr. J.-C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	d MMM yy	13 juin 03
	d MMMM yyyy	13 juin 2003
	EEEE d MMMM yyyy	vendredi 13 juin 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	ven.
	EEEE	vendredi
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	juin
	MMMM	juin
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 apr. J.-C.

French (Luxembourg) (fr-LU)

The following sections provide locale information for the French (Luxembourg) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	d MMM yy	13 juin 03
	long	d MMMM yyyy	13 juin 2003
	full	EEEE d MMMM yyyy	vendredi 13 juin 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven.
	long	EEEE	vendredi
	full	EEEE	vendredi
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	juin
	long	MMMM	juin
	full	MMMM	juin
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 apr. J.-C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	d MMM yy	13 juin 03
	d MMMM yyyy	13 juin 2003
	EEEE d MMMM yyyy	vendredi 13 juin 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	ven.
	EEEE	vendredi
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	juin
	MMMM	juin
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 apr. J.-C.

French (Switzerland) (fr-CH)

The following sections provide locale information for the French (Switzerland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	'
Currency	sFr.
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	d MMM yy	13 juin 03
	long	d MMMM yyyy	13 juin 2003
	full	EEEE, d MMMM yyyy	vendredi, 13 juin 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven.
	long	EEEE	vendredi
	full	EEEE	vendredi
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	d MMM yy HH:mm:ss	13 juin 03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	juin
	long	MMMM	juin
	full	MMMM	juin
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 apr. J.-C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	d MMM yy	13 juin 03
	d MMMM yyyy	13 juin 2003
	EEEE, d MMMM yyyy	vendredi, 13 juin 2003
	yyyyMMdd	20030613
	dd/MM/yy	13/06/03
	EEEE d MMMM yyyy	vendredi 13 juin 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	ven.
	EEEE	vendredi
date_time	dd.MM.yy HH:mm	13.06.03 18:52

Data Type	Input Format	Example
	d MMM yy HH:mm:ss	13 juin 03 18:52:35
	dd/MM/yy HH:mm	13/06/03 18:52
month	M	6
	MM	06
	MMM	juin
	MMMM	juin
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 apr. J.-C.

German (Austria) (de-AT)

The following sections provide locale information for the German (Austria) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	dd.MM.yyyy	13.06.2003
	long	dd. MMMM yyyy	13. Juni 2003
	full	EEEE, dd. MMMM yyyy	Freitag, 13. Juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fr
	long	EEEE	Freitag
	full	EEEE	Freitag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	Juni
	full	MMMM	Juni
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	dd.MM.yyyy	13.06.2003
	dd. MMMM yyyy	13. Juni 2003
	EEEE, dd. MMMM yyyy	Freitag, 13. Juni 2003
	yyyyMMdd	20030613
	d. MMMM yyyy	13. Juni 2003
	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fr
	EEEE	Freitag
date_time	dd.MM.yy HH:mm	13.06.03 18:52

Data Type	Input Format	Example
	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	M	6
	MM	06
	MMM	Jun
	MMMM	Juni
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

German (Germany) (de-DE)

The following sections provide locale information for the German (Germany) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	dd.MM.yyyy	13.06.2003
	long	d. MMMM yyyy	13. Juni 2003
	full	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fr
	long	EEEE	Freitag
	full	EEEE	Freitag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	Juni
	full	MMMM	Juni
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	dd.MM.yyyy	13.06.2003
	d. MMMM yyyy	13. Juni 2003
	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fr
	EEEE	Freitag
date_time	dd.MM.yy HH:mm	13.06.03 18:52
	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	Jun
	MMMM	Juni
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

German (Luxembourg) (de-LU)

The following sections provide locale information for the German (Luxembourg) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	dd.MM.yyyy	13.06.2003
	long	d. MMMM yyyy	13. Juni 2003
	full	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fr
	long	EEEE	Freitag
	full	EEEE	Freitag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	Juni
	full	MMMM	Juni
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	dd.MM.yyyy	13.06.2003
	d. MMMM yyyy	13. Juni 2003
	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fr
	EEEE	Freitag
date_time	dd.MM.yy HH:mm	13.06.03 18:52
	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	Jun
	MMMM	Juni
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

German (Switzerland) (de-CH)

The following sections provide locale information for the German (Switzerland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	'
Currency	SFr.
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	dd.MM.yyyy	13.06.2003
	long	d. MMMM yyyy	13. Juni 2003
	full	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Fr
	long	EEEE	Freitag
	full	EEEE	Freitag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Jun
	long	MMMM	Juni
	full	MMMM	Juni
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n. Chr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	dd.MM.yyyy	13.06.2003
	d. MMMM yyyy	13. Juni 2003
	EEEE, d. MMMM yyyy	Freitag, 13. Juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Fr
	EEEE	Freitag
date_time	dd.MM.yy HH:mm	13.06.03 18:52
	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	Jun
	MMMM	Juni
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n. Chr.

Greek (Greece) (el-GR)

The following sections provide locale information for the Greek (Greece) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yyyy	13/06/2003
	medium	dd MMM yyyy	13 Ιουν 2003
	long	dd MMMM yyyy	13 Ιουνίου 2003
	full	EEEE, dd MMMM yyyy	Παρασκευή, 13 Ιουνίου 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Παρ
	long	EEEE	Παρασκευή
	full	EEEE	Παρασκευή
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yyyy h:mm a	13/06/2003 6:52 MM
	medium	dd MMM yyyy h:mm:ss a	13 Ιουν 2003 6:52:35 MM
month	numeric	M	6
	short	M	6
	medium	MMM	Ιουν
	long	MMMM	Ιουνίου
	full	MMMM	Ιουνίου
time	numeric	H.mm	18.52
	short	h:mm a	6:52 MM
	medium	h:mm:ss a	6:52:35 MM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 μ.Χ.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yyyy	13/06/2003
	dd MMM yyyy	13 Ιουν 2003
	dd MMMM yyyy	13 Ιουνίου 2003
	EEEE, dd MMMM yyyy	Παρασκευή, 13 Ιουνίου 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Παρ
	EEEE	Παρασκευή
date_time	dd/MM/yyyy h:mm a	13/06/2003 6:52 MM
	dd MMM yyyy h:mm:ss a	13 Ιουν 2003 6:52:35 MM

Data Type	Input Format	Example
month	M	6
	MM	06
	MMM	Ιουν
	MMMM	Ιουνίου
time	h:mm a	6:52 MM
	h:mm:ss a	6:52:35 MM
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 μ.Χ.

Hungarian (Hungary) (hu-HU)

The following sections provide locale information for the Hungarian (Hungary) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	Ft
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy.MM.dd.	2003.06.13.
	medium	yyyy.MM.dd.	2003.06.13.
	long	yyyy. MMMM d.	2003. június 13.
	full	yyyy. MMMM d.	2003. június 13.
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	5

Data Type	Style	Output Format	Example
	short	e	5
	medium	EEE	P
	long	EEEE	péntek
	full	EEEE	péntek
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy.MM.dd. H:mm	2003.06.13. 18:52
	medium	yyyy.MM.dd. H:mm:ss	2003.06.13. 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jún.
	long	MMMM	június
	full	MMMM	június
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 i.u.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yyyy.MM.dd.	2003.06.13.
	yyyy.MM.dd.	2003.06.13.
	yyyy. MMMM d.	2003. június 13.
	yyyy. MMMM d.	2003. június 13.
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	P
	EEEE	péntek
date_time	yyyy.MM.dd. H:mm	2003.06.13. 18:52
	yyyy.MM.dd. H:mm:ss	2003.06.13. 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	jún.
	MMMM	június
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 i.u.

Italian (Italy) (it-IT)

The following sections provide locale information for the Italian (Italy) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MMM/yy	13/giu/03
	long	dd MMMM yyyy	13 giugno 2003
	full	EEEE d MMMM yyyy	venerdì 13 giugno 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven
	long	EEEE	venerdì
	full	EEEE	venerdì
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	dd/MMM/yy HH:mm:ss	13/giu/03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	giu
	long	MMMM	giugno
	full	MMMM	giugno
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 dC

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MMM/yy	13/giu/03
	dd MMMM yyyy	13 giugno 2003
	EEEE d MMMM yyyy	venerdì 13 giugno 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	ven
	EEEE	venerdì
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	dd/MMM/yy HH:mm:ss	13/giu/03 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	giu
	MMMM	giugno
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 dC

Italian (Switzerland) (it-CH)

The following sections provide locale information for the Italian (Switzerland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	'
Currency	SFr.
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	d-MMM-yy	13-giu-03
	long	d MMMM yyyy	13 giugno 2003
	full	EEEE, d MMMM yyyy	venerdì, 13 giugno 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	ven
	long	EEEE	venerdì
	full	EEEE	venerdì
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH:mm	13.06.03 18:52
	medium	d-MMM-yy HH:mm:ss	13-giu-03 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	giu
	long	MMMM	giugno
	full	MMMM	giugno
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 dC

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	d-MMM-yy	13-giu-03
	d MMMM yyyy	13 giugno 2003
	EEEE, d MMMM yyyy	venerdì, 13 giugno 2003
	yyyyMMdd	20030613
	dd/MM/yy	13/06/03
	dd/MMM/yy	13/giu/03
	dd MMMM yyyy	13 giugno 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	ven

Data Type	Input Format	Example
	EEEE	venerdì
date_time	dd.MM.yy HH:mm	13.06.03 18:52
	d-MMM-yy HH:mm:ss	13-giu-03 18:52:35
	dd/MM/yy HH:mm	13/06/03 18:52
	dd/MMM/yy HH:mm:ss	13/giu/03 18:52:35
month	M	6
	MM	06
	MMM	giu
	MMMM	giugno
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 dC

Japanese (Japan) (ja-JP)

The following sections provide locale information for the Japanese (Japan) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	¥
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy/MM/dd	03/06/13
	medium	yyyy/MM/dd	2003/06/13
	long	yyyy'年'M'月'd'日'	2003年6月13日
	full	yyyy'年'M'月'd'日'EEEE	2003年6月13日金曜日
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	金
	long	EEEE	金曜日
	full	EEEE	金曜日
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy/MM/dd H:mm	03/06/13 18:52
	medium	yyyy/MM/dd H:mm:ss	2003/06/13 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	6月
	long	MMMM	6月
	full	MMMM	6月
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003西曆

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy/MM/dd	03/06/13
	yyyy/MM/dd	2003/06/13
	yyyy'年'M'月'd'日'	2003年6月13日
	yyyy'年'M'月'd'日'EEEE	2003年6月13日金曜日
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	金

Data Type	Input Format	Example
	EEEE	金曜日
date_time	yy/MM/dd H:mm	03/06/13 18:52
	yyyy/MM/dd H:mm:ss	2003/06/13 18:52:35
month	M	6
	MM	06
	MMM	6月
	MMMM	6月
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003西曆

Korean (South Korea) (ko-KR)

The following sections provide locale information for the Korean (South Korea) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	.
groupingseparator	,
Currency	₩
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

The following table shows the output format that is used for date related data types in each presentation:

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy. MM. dd	03. 06. 13
	medium	yyyy. MM. dd	2003. 06. 13
	long	yyyy'년'M'월'd'일'	2003년6월13일
	full	yyyy'년'M'월'd'일' EEEE	2003년6월13일 금요일
day_of_month	numeric	d	13
	short	d	13
	medium	d	13

Data Type	Style	Output Format	Example
	long	d	13
	full	d	13
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	금
	long	EEEE	금요일
	full	EEEE	금요일
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy. MM. dd a h:mm	03. 06. 13 오후 6:52
	medium	yyyy. MM. dd a h:mm:ss	03. 06. 13 오후 6:52:35
	long	yyyy'년'M'월'd'일' a hh'시' mm'분'ss'초'	2003년6월13일 오후 06시 52분 35초
month	numeric	M	6
	short	M	6
	medium	MMM	6월
	long	MMMM	6월
	full	MMMM	6월
time	numeric	H.mm	18.52
	short	a h:mm	오후 6:52
	medium	a h:mm:ss	오후 6:52:35
	long	a hh'시' mm'분'ss'초'	오후 06시 52분 35초
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 서기

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy. MM. dd	03. 06. 13
	yyyy. MM. dd	2003. 06. 13
	yyyy'년'M'월'd'일'	2003년6월13일
	yyyy'년'M'월'd'일' EEEE	2003년6월13일 금요일
	yyyyMMdd	20030613
	yy-MM-dd	03-06-13
	yyyy-MM-dd	2003-06-13

Data Type	Input Format	Example
	yyyy'년'M'월'd'일' EE	2003년6월13일금
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	금
	EEEE	금요일
date_time	yy. MM. dd a h:mm	03. 06. 13 오후 6:52
	yyyy. MM. dd a h:mm:ss	03. 06. 13 오후 6:52:35
	yyyy'년'M'월'd'일' a hh'시' mm'분'ss'초'	2003년6월13일 오후 06시 52분 35초
	yy-MM-dd a hh'시' mm'분'	03-06-13 오후 06시 52분
	yyyy-MM-dd a hh'시' mm'분'	20303-06-13 오후 06시 52분
	yyyy'년'M'월'd'일' EE a hh'시' mm'분'ss'초'	2003년6월13일 오후 06시 52분 35초
month	M	6
	MM	06
	MMM	6월
	MMMM	6월
time	a h:mm	오후 6:52:35
	a h:mm:ss	오후 6:52:35
	a hh'시' mm'분'ss'초'	오후 06시 52분 35초
	a hh'시' mm'분'	오후 06시 52분
	a hh'시' mm'분'	오후 06시 52분
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 서기

Norwegian Bokmål (Norway) (nb-NO)

The following sections provide locale information for the Norwegian Bokmål (Norway) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	kr
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	d. MMM. yyyy	13. juni. 2003
	long	d. MMMM yyyy	13. juni 2003
	full	EEEE d. MMMM yyyy	fredag 13. juni 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	fr.
	long	EEEE	fredag
	full	EEEE	fredag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yy HH.mm	13.06.03 18.52
	medium	d. MMM. yyyy HH.mm.ss	13. juni. 2003 18.52.35
month	numeric	M	6
	short	M	6
	medium	MMM	juni
	long	MMMM	juni
	full	MMMM	juni
time	numeric	H.mm	18.52
	short	HH.mm	18.52
	medium	HH.mm.ss	18.52.35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 e.Kr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	d. MMM. yyyy	13. juni. 2003
	d. MMMM yyyy	13. juni 2003
	EEEE d. MMMM yyyy	fredag 13. juni 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	fr.
	EEEE	fredag
date_time	dd.MM.yy HH.mm	13.06.03 18.52
	d. MMM. yyyy HH.mm.ss	13. juni. 2003 18.52.35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	juni
	MMMM	juni
time	HH.mm	18.52
	HH.mm.ss	18.52.35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 e.Kr.

Polish (Poland) (pl-PL)

The following sections provide locale information for the Polish (Poland) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	zł
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy-MM-dd	03-06-13
	medium	yyyy-MM-dd	2003-06-13
	long	d MMMM yyyy	13 czerwca 2003
	full	EEEE, d MMMM yyyy	piątek, 13 czerwca 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	5

Data Type	Style	Output Format	Example
	short	e	5
	medium	EEE	Pt
	long	EEEE	piątek
	full	EEEE	piątek
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy-MM-dd HH:mm	03-06-13 18:52
	medium	yyyy-MM-dd HH:mm:ss	2003-06-13 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	cz
	long	MMMM	czerwca
	full	MMMM	czerwca
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n.e.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy-MM-dd	03-06-13
	yyyy-MM-dd	2003-06-13
	d MMMM yyyy	13 czerwca 2003
	EEEE, d MMMM yyyy	piątek, 13 czerwca 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Pt
	EEEE	piątek
date_time	yy-MM-dd HH:mm	03-06-13 18:52
	yyyy-MM-dd HH:mm:ss	2003-06-13 18:52:35
	d MMMM yyyy HH:mm:ss z	13 czerwca 2003 18:52:35 GMT-07:00

Data Type	Input Format	Example
	EEEE, d MMMM yyyy HH:mm:ss z	piątek, 13 czerwca 2003 18:52:35 GMT-07:00
month	M	6
	MM	06
	MMM	cz
	MMMM	czerwca
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	HH:mm:ss z	18:52:35 GMT-07:00
	HH:mm:ss z	18:52:35 GMT-07:00
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n.e.

Portuguese (Brazil) (pt-BR)

The following sections provide locale information for the Portuguese (Brazil) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	R\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junho de 2003
	full	EEEE, d' de 'MMMM' de 'yyyy	sexta-feira, 13 de junho de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	sex
	long	EEEE	sexta-feira
	full	EEEE	sexta-feira
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	dd/MM/yyyy HH:mm:ss	13/06/2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junho
	full	MMMM	junho
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junho de 2003
	EEEE, d' de 'MMMM' de 'yyyy	sexta-feira, 13 de junho de 2003
	yyyyMMdd	20030613
	dd-MM-yyyy	13-06-2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	sex
	EEEE	sexta-feira

Data Type	Input Format	Example
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	dd/MM/yyyy HH:mm:ss	13/06/2003 18:52:35
	dd-MM-yyyy HH:mm	13-06-2003 18:52
	d/MMM/yyyy HH:mm:ss	13/jun/2003 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junho
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Portuguese (Portugal) (pt-PT)

The following sections provide locale information for the Portuguese (Portugal) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yy/MM/dd	03/06/13
	medium	yyyy/MM/dd	2003/06/13
	long	d' de 'MMMM' de 'yyyy	13 de junho de 2003
	full	EEEE, d' de 'MMMM' de 'yyyy	sexta-feira, 13 de junho de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	sex
	long	EEEE	sexta-feira
	full	EEEE	sexta-feira
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yy/MM/dd HH:mm	03/06/13 18:52
	medium	yyyy/MM/dd HH:mm:ss	2003/06/13 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junho
	full	MMMM	junho
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yy/MM/dd	03/06/13
	yyyy/MM/dd	2003/06/13
	d' de 'MMMM' de 'yyyy	13 de junho de 2003
	EEEE, d' de 'MMMM' de 'yyyy	sexta-feira, 13 de junho de 2003
	yyyyMMdd	20030613
	dd-MM-yyyy	13-06-2003
	d/MMM/yyyy	13/jun/2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	sex
	EEEE	sexta-feira

Data Type	Input Format	Example
date_time	yy/MM/dd HH:mm	03/06/13 18:52
	yyyy/MM/dd HH:mm:ss	2003/06/13 18:52:35
	dd-MM-yyyy HH:mm	13-06-2003 18:52
	d/MMM/yyyy HH:mm:ss	13/jun/2003 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junho
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Romanian (Romania) (ro-RO)

The following sections provide locale information for the Romanian (Romania) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	lei
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yyyy	13.06.2003
	medium	dd.MM.yyyy	13.06.2003
	long	d MMMM yyyy	13 iunie 2003
	full	d MMMM yyyy	13 iunie 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13
day_of_week	numeric	e	5

Data Type	Style	Output Format	Example
	short	e	5
	medium	EEE	V
	long	EEEE	vineri
	full	EEEE	vineri
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yyyy HH:mm	13.06.2003 18:52
	medium	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Iun
	long	MMMM	iunie
	full	MMMM	iunie
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 î.d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yyyy	13.06.2003
	dd.MM.yyyy	13.06.2003
	d MMMM yyyy	13 iunie 2003
	d MMMM yyyy	13 iunie 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	V
	EEEE	vineri
date_time	dd.MM.yyyy HH:mm	13.06.2003 18:52
	dd.MM.yyyy HH:mm:ss	13.06.2003 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	Iun
	MMMM	iunie
time	HH:mm	18:52
	HH:mm:ss	18:52:35
	HH:mm:ss z	18:52:35 GMT-07:00
	HH:mm:ss z	18:52:35 GMT-07:00
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 i.d.C.

Russian (Russia) (ru-RU)

The following sections provide locale information for the Russian (Russia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	руб.
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yy	13.06.03
	medium	dd.MM.yyyy	13.06.2003
	long	d MMMM yyyy 'г.'	13 июня 2003 г.
	full	d MMMM yyyy 'г.'	13 июня 2003 г.
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Пт
	long	EEEE	пятница
	full	EEEE	пятница
date_time	short	dd.MM.yy H:mm	13.06.03 18:52
	medium	dd.MM.yyyy H:mm:ss	13.06.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	июня
	long	MMMM	июня
	full	MMMM	июня
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 н.э.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yy	13.06.03
	dd.MM.yyyy	13.06.2003
	d MMMM yyyy 'г.'	13 июня 2003 г.
	d MMMM yyyy 'г.'	13 июня 2003 г.
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Пт
	EEEE	пятница
date_time	dd.MM.yy H:mm	13.06.03 18:52
	dd.MM.yyyy H:mm:ss	13.06.2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	июня
	MMMM	июня
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 н.э.

Slovak (Slovakia) (sk-SK)

The following sections provide locale information for the Slovak (Slovakia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	Sk
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d.M.yyyy	13.6.2003
	medium	d.M.yyyy	13.6.2003
	long	d. MMMM yyyy	13. jún 2003
	full	EEEE, d. MMMM yyyy	Piatok, 13. jún 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Pi
	long	EEEE	Piatok
	full	EEEE	Piatok
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d.M.yyyy H:mm	13.6.2003 18:52
	medium	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jún
	long	MMMM	jún
	full	MMMM	jún
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 n.l.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d.M.yyyy	13.6.2003
	d.M.yyyy	13.6.2003
	d. MMMM yyyy	13. jún 2003
	EEEE, d. MMMM yyyy	Piatok, 13. jún 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Pi
	EEEE	Piatok
date_time	d.M.yyyy H:mm	13.6.2003 18:52
	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	jún
	MMMM	jún
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 n.l.

Slovenian (Slovenia) (sl-SI)

The following sections provide locale information for the Slovenian (Slovenia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	SIT
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d.M.yy	13.6.03
	medium	d.M.yyyy	13.6.2003
	long	dd. MMMM yyyy	13. junij 2003
	full	EEEE, dd. MMMM yyyy	petek, 13. junij 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	pet
	long	EEEE	petek
	full	EEEE	petek
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d.M.yy H:mm	13.6.03 18:52
	medium	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junij
	full	MMMM	junij
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 po Kr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d.M.yy	13.6.03
	d.M.yyyy	13.6.2003
	dd. MMMM yyyy	13. junij 2003
	EEEE, dd. MMMM yyyy	petek, 13. junij 2003
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	pet
	EEEE	petek
date_time	d.M.yy H:mm	13.6.03 18:52
	d.M.yyyy H:mm:ss	13.6.2003 18:52:35
month	M	6
	MM	06

Data Type	Input Format	Example
	MMM	jun
	MMMM	junij
time	H:mm	18:52
	H:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 po Kr.

Spanish (Argentina) (es-AR)

The following sections provide locale information for the Spanish (Argentina) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy HH:mm	13/06/03 18:52
	medium	dd/MM/yyyy HH:mm:ss	13/06/2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy HH:mm	13/06/03 18:52
	dd/MM/yyyy HH:mm:ss	13/06/2003 18:52:35
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Bolivia) (es-BO)

The following sections provide locale information for the Spanish (Bolivia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	Bs
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Chile) (es-CL)

The following sections provide locale information for the Spanish (Chile) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd-MM-yy	13-06-03
	medium	dd-MM-yyyy	13-06-2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd-MM-yy H:mm	13-06-03 18:52
	medium	dd-MM-yyyy H:mm:ss	13-06-2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd-MM-yy	13-06-03
	dd-MM-yyyy	13-06-2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd-MM-yy H:mm	13-06-03 18:52
	dd-MM-yyyy H:mm:ss	13-06-2003 18:52:35
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	H:mm	18:52
	H:mm:ss	18:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Colombia) (es-CO)

The following sections provide locale information for the Spanish (Colombia) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	d/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy H:mm	13/06/03 18:52
	medium	d/MM/yyyy H:mm:ss	13/06/2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	d/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes
date_time	d/MM/yy H:mm	13/06/03 18:52

Data Type	Input Format	Example
	d/MM/yyyy H:mm:ss	13/06/2003 18:52:35
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	H:mm	18:52
	H:mm:ss	18:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Costa Rica) (es-CR)

The following sections provide locale information for the Spanish (Costa Rica) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	C
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
	d' de 'MMMM' de 'yyyy HH:mm:ss z	13 de junio de 2003 18:52:35 PDT
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Dominican Republic) (es-DO)

The following sections provide locale information for the Spanish (Dominican Republic) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	RD\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Ecuador) (es-EC)

The following sections provide locale information for the Spanish (Ecuador) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy H:mm	13/06/03 18:52
	medium	dd/MM/yyyy H:mm:ss	13/06/2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy H:mm	13/06/03 18:52
	dd/MM/yyyy H:mm:ss	13/06/2003 18:52:35
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	H:mm	18:52
	H:mm:ss	18:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (El Salvador) (es-SV)

The following sections provide locale information for the Spanish (El Salvador) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	SVC
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Guatemala) (es-GT)

The following sections provide locale information for the Spanish (Guatemala) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	Q
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	d/MM/yy	13/06/03
	medium	d/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	d/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	d/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	d/MM/yy	13/06/03
	d/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes
	date_time	d/MM/yy hh:mm a

Data Type	Input Format	Example
	d/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Honduras) (es-HN)

The following sections provide locale information for the Spanish (Honduras) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	L
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	dd' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE dd' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	dd' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE dd' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05

Data Type	Input Format	Example
	EEE	vie
	EEEE	viernes
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Mexico) (es-MX)

The following sections provide locale information for the Spanish (Mexico) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Nicaragua) (es-NI)

The following sections provide locale information for the Spanish (Nicaragua) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	C\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Panama) (es-PA)

The following sections provide locale information for the Spanish (Panama) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	PAB
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	MM/dd/yy	06/13/03
	medium	MM/dd/yyyy	06/13/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	MM/dd/yy hh:mm a	06/13/03 06:52 PM
	medium	MM/dd/yyyy hh:mm:ss a	06/13/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	MM/dd/yy	06/13/03
	MM/dd/yyyy	06/13/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	MM/dd/yy hh:mm a	06/13/03 06:52 PM
	MM/dd/yyyy hh:mm:ss a	06/13/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Peru) (es-PE)

The following sections provide locale information for the Spanish (Peru) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	PEN
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Puerto Rico) (es-PR)

The following sections provide locale information for the Spanish (Puerto Rico) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	MM/dd/yy	06/13/03
	medium	MM/dd/yyyy	06/13/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	MM/dd/yy hh:mm a	06/13/03 06:52 PM
	medium	MM/dd/yyyy hh:mm:ss a	06/13/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	MM/dd/yy	06/13/03
	MM/dd/yyyy	06/13/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	MM/dd/yy hh:mm a	06/13/03 06:52 PM
	MM/dd/yyyy hh:mm:ss a	06/13/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Paraguay) (es-PY)

The following sections provide locale information for the Spanish (Paraguay) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	PYG
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Spain) (es-ES)

The following sections provide locale information for the Spanish (Spain) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	€
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy H:mm	13/06/03 18:52
	medium	dd/MM/yyyy H:mm:ss	13/06/2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	H:mm	18:52
	medium	H:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
day_of_month	dd-MMM-yy	13-jun-03
	d	13
day_of_week	dd	13
	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy H:mm	13/06/03 18:52
	dd/MM/yyyy H:mm:ss	13/06/2003 18:52:35
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	H:mm	18:52
	H:mm:ss	18:52:35
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (United States) (es-US)

The following sections provide locale information for the Spanish (United States) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	US\$
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	M/d/yy	6/13/03
	medium	MMM d, yyyy	jun 13, 2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	6
	short	e	6
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	M/d/yy h:mm a	6/13/03 6:52 PM
	medium	MMM d, yyyy h:mm:ss a	jun 13, 2003 6:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	h:mm a	6:52 PM
	medium	h:mm:ss a	6:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	M/d/yy	6/13/03
	MMM d, yyyy	jun 13, 2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	6
	ee	06
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	M/d/yy h:mm a	6/13/03 6:52 PM
	MMM d, yyyy h:mm:ss a	jun 13, 2003 6:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	h:mm a	6:52 PM
	h:mm:ss a	6:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Uruguay) (es-UY)

The following sections provide locale information for the Spanish (Uruguay) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	UYU
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Spanish (Venezuela) (es-VE)

The following sections provide locale information for the Spanish (Venezuela) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	Bs
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd/MM/yy	13/06/03
	medium	dd/MM/yyyy	13/06/2003
	long	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	full	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	vie
	long	EEEE	viernes
	full	EEEE	viernes
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	medium	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	junio
	full	MMMM	junio
time	numeric	H.mm	18.52
	short	hh:mm a	06:52 PM
	medium	hh:mm:ss a	06:52:35 PM
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 d.C.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd/MM/yy	13/06/03
	dd/MM/yyyy	13/06/2003
	d' de 'MMMM' de 'yyyy	13 de junio de 2003
	EEEE d' de 'MMMM' de 'yyyy	viernes 13 de junio de 2003
	yyyyMMdd	20030613
	d/MM/yy	13/06/03
	dd-MMM-yy	13-jun-03
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	vie
	EEEE	viernes

Data Type	Input Format	Example
date_time	dd/MM/yy hh:mm a	13/06/03 06:52 PM
	dd/MM/yyyy hh:mm:ss a	13/06/2003 06:52:35 PM
	d/MM/yy HH:mm	13/06/03 18:52
	dd-MMM-yy HH:mm:ss	13-jun-03 18:52:35
month	M	6
	MM	06
	MMM	jun
	MMMM	junio
time	hh:mm a	06:52 PM
	hh:mm:ss a	06:52:35 PM
	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 d.C.

Swedish (Sweden) (sv-SE)

The following sections provide locale information for the Swedish (Sweden) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	
Currency	kr
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	yyyy-MM-dd	2003-06-13
	medium	yyyy MMM d	2003 jun 13
	long	yyyy MMMM d	2003 juni 13
	full	EEEE, yyyy MMMM dd	fredag, 2003 juni 13
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	fr
	long	EEEE	fredag
	full	EEEE	fredag
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	yyyy-MM-dd HH.mm	2003-06-13 18.52
	medium	yyyy MMM d HH.mm.ss	2003 jun 13 18.52.35
month	numeric	M	6
	short	M	6
	medium	MMM	jun
	long	MMMM	juni
	full	MMMM	juni
time	numeric	H.mm	18.52
	short	HH.mm	18.52
	medium	HH.mm.ss	18.52.35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 e.Kr.

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	yyyy-MM-dd	2003-06-13
	yyyy MMM d	2003 jun 13
	yyyy MMMM d	2003 juni 13
	EEEE, yyyy MMMM dd	fredag, 2003 juni 13
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	fr
	EEEE	fredag
date_time	yyyy-MM-dd HH.mm	2003-06-13 18.52
	yyyy MMM d HH.mm.ss	2003 jun 13 18.52.35

Data Type	Input Format	Example
month	M	6
	MM	06
	MMM	juni
	MMMM	juni
time	HH.mm	18.52
	HH.mm.ss	18.52.35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 e.Kr.

Turkish (Turkey) (tr-TR)

The following sections provide locale information for the Turkish (Turkey) locale. This information includes default currency and mathematical characters, presentation settings, and input and output formats for dates.

Default Symbols

The following table displays the basic default symbols used for currency and mathematical expressions in this locale:

Symbol Description	Symbol
decimalseparator	,
groupingseparator	.
Currency	TRY
Percent	%
Zero Digit	0
Minus Sign	-
Plus Sign	+
Exponential	E
Infinity	∞

Default Presentation Settings

The default values for the presentation settings are shown below:

Setting	Default
negativeindicator (prefix)	-
negativeindicator (suffix)	

Formats for Date Outputs

The following table shows the output format that is used for date related data types in each presentation:

Data Type	Style	Output Format	Example
date	numeric	yyyyMMdd	20030613
	short	dd.MM.yyyy	13.06.2003
	medium	dd.MMM.yyyy	13.Haz.2003
	long	dd MMMM yyyy EEEE	13 Haziran 2003 Cuma
	full	dd MMMM yyyy EEEE	13 Haziran 2003 Cuma
day_of_month	numeric	d	13
	short	d	13
	medium	d	13
	long	d	13
	full	d	13

Data Type	Style	Output Format	Example
day_of_week	numeric	e	5
	short	e	5
	medium	EEE	Cum
	long	EEEE	Cuma
	full	EEEE	Cuma
date_time	numeric	yyyyMMdd H.mm	20030613 18.52
	short	dd.MM.yyyy HH:mm	13.06.2003 18:52
	medium	dd.MMM.yyyy HH:mm:ss	13.Haz.2003 18:52:35
month	numeric	M	6
	short	M	6
	medium	MMM	Haz
	long	MMMM	Haziran
	full	MMMM	Haziran
time	numeric	H.mm	18.52
	short	HH:mm	18:52
	medium	HH:mm:ss	18:52:35
year	numeric	yyyy	2003
	short	yy	03
	medium	yyyy	2003
	long	yyyy	2003
	full	yyyy G	2003 MS

Formats for Date Inputs

The following tables provide applicable date input formats for this locale:

Data Type	Input Format	Example
date	dd.MM.yyyy	13.06.2003
	dd.MMM.yyyy	13.Haz.2003
	dd MMMM yyyy EEEE	13 Haziran 2003 Cuma
	dd MMMM yyyy EEEE	13 Haziran 2003 Cuma
	yyyyMMdd	20030613
day_of_month	d	13
	dd	13
day_of_week	e	5
	ee	05
	EEE	Cum
	EEEE	Cuma
date_time	dd.MM.yyyy HH:mm	13.06.2003 18:52
	dd.MMM.yyyy HH:mm:ss	13.Haz.2003 18:52:35
month	M	6

Data Type	Input Format	Example
	MM	06
	MMM	Haz
	MMMM	Haziran
time	HH:mm	18:52
	HH:mm:ss	18:52:35
year	yy	03
	'yy	yy
	yyyy	2003
	yyyy G	2003 MS

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