RFC 5646, Tags for Identifying Languages, or successor
RFC 4647, Matching of Language Tags, or successor
IANA Language Subtag Registry,
.

IETF RFC 6067, BCP 47 Extension U, or successor

Unicode Technical Standard 35, Unicode Locale Data Markup Language,

NOTE   This algorithm uses only a simple tactic, stripping off subtags, for finding similar locales that may reasonably be used instead of a requested locale. Implementations can mimic the results of other tactics by listing additional locales as available, as discussed in the note of section 6.1.1.

[[Lookup

1.1.1

     then:
Let value be the result of calling the function with the name
a.

     passing as argument the value of the property of options with the name given in the Property column of the row.
If the name given in the Type column of the row is String, and value is not one of the strings given in
b.

new Globalization.Collator(localeList)

When the Collator constructor is called with a single argument, it behaves as if it had received the object {usage: "sort"} as the second argument.

new Globalization.Collator()

When the Collator constructor is called with no argument, it behaves as if it had received the object new LocaleList() as the first argument and the object {usage: "sort"} as the second argument.

The formatting options are computed as follows:

If options has the property style, then let s be ToString(options.style); else let
1.

".
If s is not equal to "decimal", "currency", or
2.

.
If c is a String value but
3.

, then let cd be ToString(options.currencyDisplay); else let cd be "symbol".
If cd is not equal to "
4.

If options has the property maximumFractionDigits then let mxfd be
ToDigits(options.maximumFractionDigits, mnfd, 20); else if
5.

then let mnsd be ToDigits(options.minimumSignificantDigits,
a.

then let mxsd be ToDigits(options.maximumSignificantDigits,
b.

then let g be ToBoolean(options.useGrouping); else let g be
6.

When the ToDigits abstract operation is called with three arguments value, minimum, maximum
(the latter two are expected to be Number values greater than or equal to 0), the following steps
are taken:

Let v
7.

If v is NaN or less than minimum or greater than maximum, throw a RangeError exception.
Return floor(v).

new Globalization.NumberFormat(localeList)

When the NumberFormat constructor is called with a single argument, it behaves as if it had
received the object {style: "decimal"} as the second argument.

new Globalization.NumberFormat()

When the NumberFormat constructor is called with no argument, it behaves as if it had received
the object new LocaleList() as the first argument and the object {style: "decimal"} as the second
argument.

at most [[maximumSignificantDigits]] significant digits.
If
i.

function rounds to the nearest value that can be represented with the permitted
significant digits; if the given value falls midway, it rounds away from zero.
NOTE With one allowed significant digit, 0,44 rounds to 0,4; 0,45 rounds to 0,5; -
0,44 rounds to -0,4; -0,45 rounds to -0,5.
Else
To do: Let result be a String representation of x with at least
ii.

fraction digits, and at least [[minimumIntegerDigits]] integer digits
iii.

If the complete representation of value would require more fraction digits than the formatting options allow, the function rounds to the nearest value that can be represented with the permitted fraction digits; if the given value falls midway, it rounds away from zero.

NOTE With one allowed fraction digit, 0,44 rounds to 0,4; 0,45 rounds to 0,5; -0,44 rounds to -0,4; -0,45 rounds to -0,5.

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is negative, possibly adding whitespace. The inserted Strings may also depend on whether

2.

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style]] internal property of this NumberFormat is "currency".

Else insert one or two ILND Strings into result in ILND locations to indicate that the value is positive, possibly adding whitespace. The inserted Strings may also depend on whether the [[style

3.

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is "percent", then insert an ILND String indicating percentage into result in an ILND location, possibly adding whitespace.

Else if the [[style]] internal property of this NumberFormat

4.

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in an ILD location, possibly adding whitespace

a.

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then:

Let value be the result of calling ToString

a.

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value of the property of options with the name given in the Property column of the row.

If value is not one of the

b.

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new Globalization.DateTimeFormat(localeList)

When the DateTimeFormat constructor is called with a single argument, it behaves as if it had received the object {year: "numeric", month: "numeric", day: "numeric"} as the second argument.

new Globalization.DateTimeFormat()

When the DateTimeFormat constructor is called with no arguments, it behaves as if it had received the object new LocaleList() as the first argument and the object {year: "numeric", month: "numeric", day: "numeric"} as the second argument.

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Error Objects

This clause specifies error objects in addition to those described in the ECMAScript Language Specification, 5.1 edition, clause 15. It only applies to implementations that are based on a version of the ECMAScript Language Specification that does not itself specify the error objects described here.

Native Error Types Used in This Standard

One of the NativeError objects described below or in the ECMAScript Language Specification, 5.1 edition, 15.11.6, or successor, is thrown when a runtime error is detected. All of these objects share the same structure, as described in the ECMAScript Language Specification, 5.1 edition, 15.11.7, or successor.

ValueError

Indicates a string value is invalid. See [to do: insert subclause references].