

DATING IS HARD

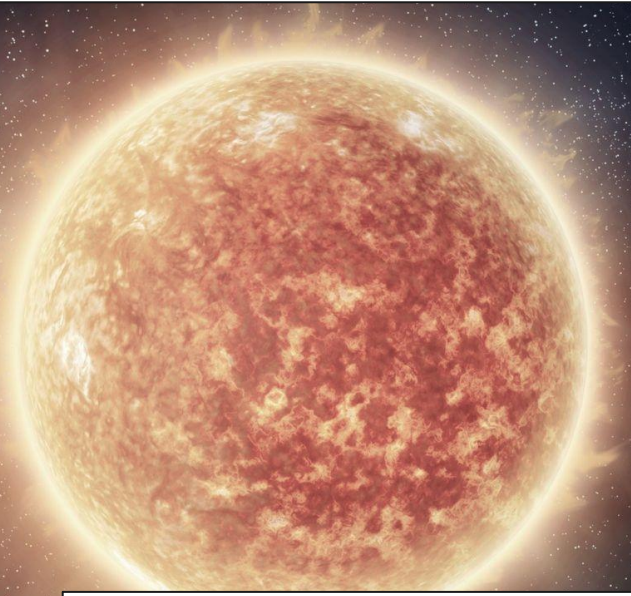
Complexity of Clocks, Calendars, and Computers



WHAT IS THE DATE ?



**The twenty-eighth of May,
two thousand and twenty-five
at two o'clock in the afternoon**



HUMAN-MADE
NATURAL



**GOLDEN
RATIO?**
NOPE

28 May 2025, 2 pm

2025-05-28T14:00:00

ISO 8601

2025-05-28T14:00:00

20250528T140000

2025-W22-3T14:00:00

2025W223T140000

2025-148T14:00:00

2025148T140000

[Standards](#)[Sectors](#)[About ISO](#)[Insights & news](#)[Taking part](#)[Store](#)[Read sample](#)

ISO 8601-1:2019

Date and time — Representations
for information interchange

Part 1: Basic rules

Published (Edition 1, 2019)

This publication was last reviewed and confirmed
in 2024. Therefore this version remains current.

↳ This standard has 1 amendment.

ISO 8601-1:2019

CHF **177**

Language

English

Format

☒ PDF + ePub

☐ Paper

Add to cart

Convert Swiss francs (CHF) to your currency

17484336000000

1748433600

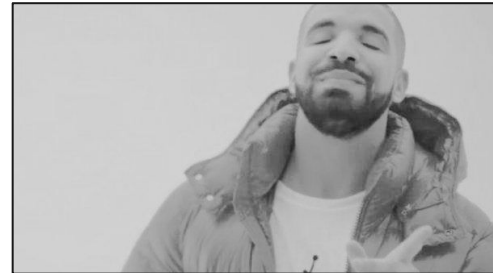
UNIX

WHAT TO DO



DO NOT USE ISO

USE RFC 3339



2025-05-28T14:00:00+02:00

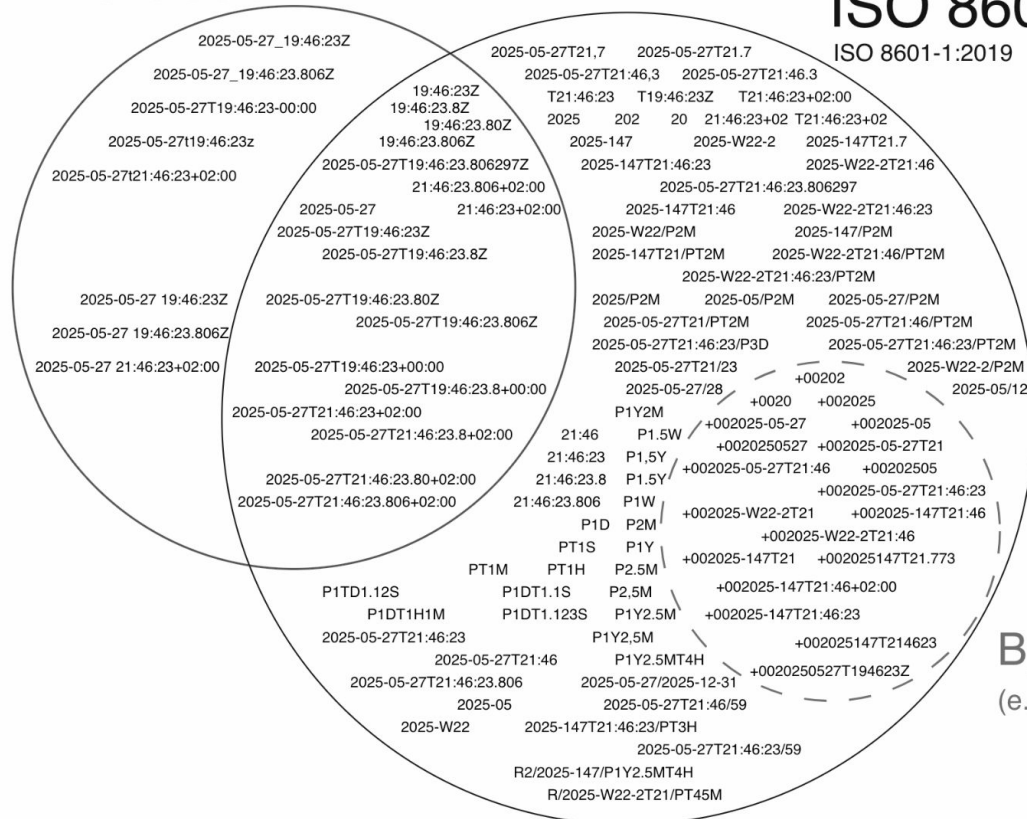
2025-05-28T12:00:00Z

RFC 3339

RFC 3339

ISO 8601

ISO 8601-1:2019



By Mutual Agreement
(e.g. agreement on six-digit years)

WHAT TO DO



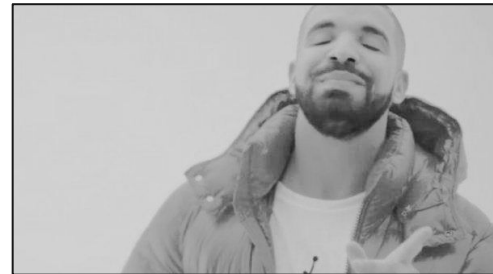
DO NOT USE ISO

**NEW
2025**

USE RFC 9557

Internet Extended Date/Time Format (IXDTF)

USE RFC 3339



2025-05-28T14:00:00+02:00 [Europe/Prague]
2025-05-28T12:00:00Z [Europe/Prague]

RFC 9557

2025-01-28T14:00:00+02:00 [Europe/Prague]

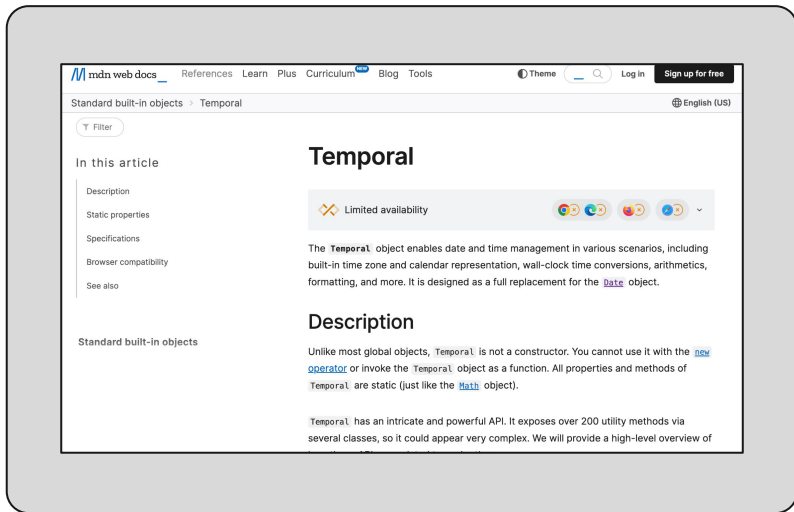


Inconsistent

2035-05-28T13:00:00+01:00 [Europe/Prague]



Inconsistent



Temporal API

Upcoming replacement for the **Date** object with full RFC 9557 (IXDTF) support and time zone arithmetic.



```
const talkStart = Temporal.ZonedDateTime.from({
  timeZone: `Europe/Prague`,
  year: 2025,
  month: 5,
  day: 28,
  hour: 2,
  minute: 20,
})

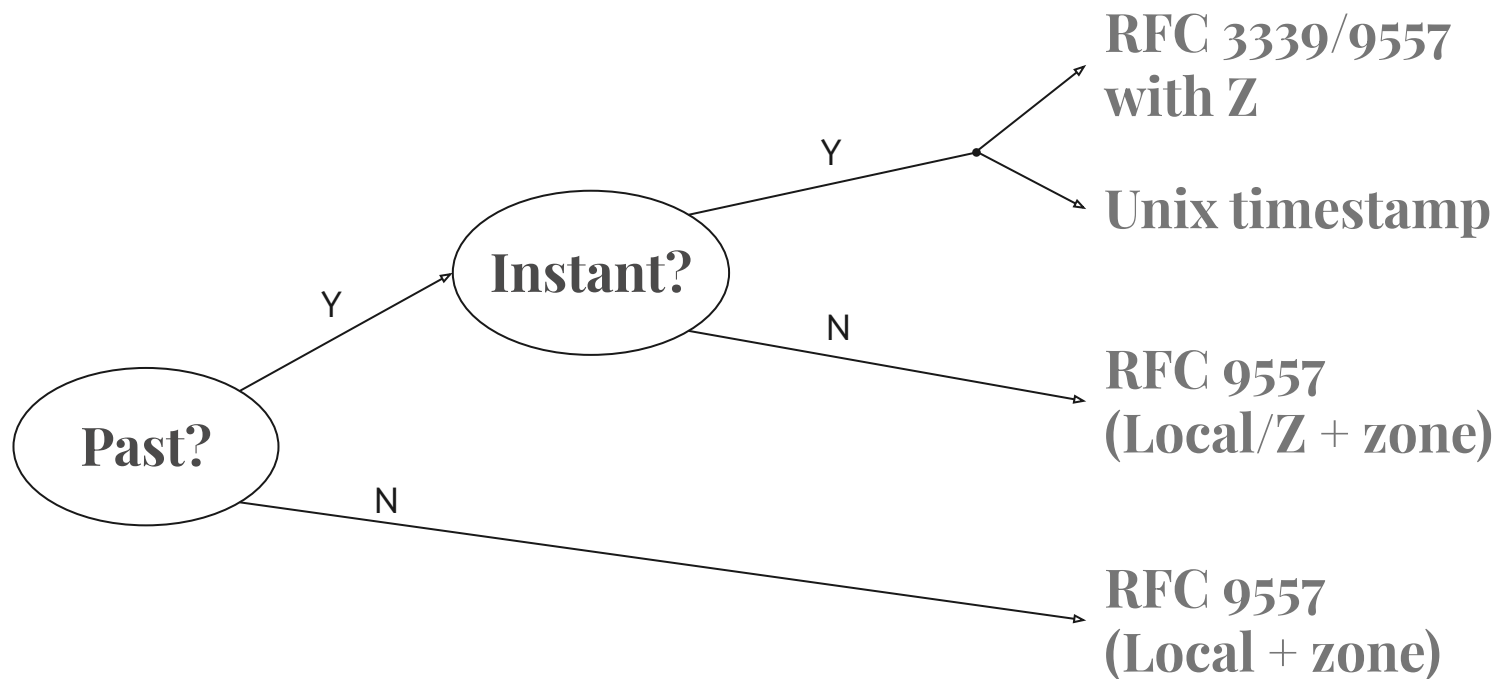
console.assert(talkStart.toString() === `2025-05-28T02:20:00+02:00[Europe/Prague]`)
console.assert(talkStart.toInstant().toString() === `2025-05-28T00:20:00Z`)

console.assert(
  talkStart.withTimeZone("America/Los_Angeles").toString() ===
    `2025-05-27T17:20:00-07:00[America/Los_Angeles]`,
)

const talkEnd = talkStart.add({ minutes: 20 })

console.assert(talkEnd.toString() === `2025-05-28T02:40:00+02:00[Europe/Prague]`)
```

Storage and transport



**Wednesday, 28 May 2025,
2 pm (Prague)**

Wed, 28 May, 2 pm PRG

THINK ABOUT YOUR DATES!

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