

AI Due Date Extraction: Testing Multilingual Phrasings and Date Formats

Test Case – AI Due Date Extraction (Multilingual & Format Variants)

1. Objective

Verify that the AI correctly recognises and extracts the **invoice due date** from different textual phrasings and date formats in **English and German**, and maps them to a single canonical value in CCU/Zwebb.

Note: This test focuses **only** on the due date field (AI Check 1 – “Payment date / Due date”).

2. Preconditions

- AI invoice readout service is available and configured.
- Test environment for Zwebb and CCU is accessible.
- You have an invoice template (or generator) where the **due date line can be edited** without changing other fields.
- All other invoice data (amount, invoice number, parties) is valid so that any failure relates only to the **due date extraction**.
- For this test set, we use a **fixed canonical due date**:

Canonical due date for all samples:

2026-03-15 (15 March 2026)

All formats and phrasings below must be interpreted and stored as this canonical date.

3. Test Data – Phrasings & Date Formats

3.1 Phrasing Patterns

English phrasings

1. Due date:
2. Payment due by
3. Payable until

German phrasings

4. Fällig am
5. Fällig data
6. Zahlbar bis
7. Zahlbar am
8. Zahlbar spätestens
9. Zahlbar spätestens am
10. Zahlbar spätestens bis
11. Fälligkeitsdatum

3.2 Date Format Patterns (All Represent 15 March 2026)

Use these formats across both languages:

- F1 – 15.03.2026
- F2 – 15.03.26
- F3 – 2026-03-15
- F4 – 15/03/2026 (DD/MM/YYYY)
- F5 – 03/15/2026 (MM/DD/YYYY)
- F6 – 15 March 2026
- F7 – March 15, 2026
- F8 – 15. März 2026 (German month name)
- F9 – 15.3.26

3.3 Combined Test Strings (Phrasing × Format)

Each row below is **one concrete test variant**.

All must be parsed to: 2026-03-15 .

3.3.1 English Combinations

ID	Language	Phrase	Format	Combined Example Text	Expected Parsed Date

EN1	EN	Due date:	F1	Due date: 15.03. 2026	2026-03-15
EN2	EN	Due date:	F2	Due date: 15.03. 26	2026-03-15
EN3	EN	Due date:	F3	Due date: 2026- 03-15	2026-03-15
EN4	EN	Due date:	F4	Due date: 15/03/ 2026	2026-03-15
EN5	EN	Due date:	F5	Due date: 03/15/ 2026	2026-03-15
EN6	EN	Due date:	F6	Due date: 15 March 2026	2026-03-15
EN7	EN	Due date:	F7	Due date: March	2026-03-15

				15, 2026	
EN8	EN	Due date:	F8	Due date: 15. März 2026	2026-03-15
EN9	EN	Payment due by	F1	Paymen t due by 15.03. 2026	2026-03-15
EN10	EN	Payment due by	F2	Paymen t due by 15.03. 26	2026-03-15
EN11	EN	Payment due by	F3	Paymen t due by 2026- 03-15	2026-03-15
EN12	EN	Payment due by	F4	Paymen t due by 15/03/ 2026	2026-03-15
EN13	EN	Payment due by	F5	Paymen t due	2026-03-15

				by 03/15/ 2026	
EN14	EN	Payment due by	F6	Paymen t due by 15 March 2026	2026-03- 15
EN15	EN	Payment due by	F7	Paymen t due by March 15, 2026	2026-03- 15
EN16	EN	Payment due by	F8	Paymen t due by 15. März 2026	2026-03- 15
EN17	EN	Payable until	F1	Payabl e until 15.03. 2026	2026-03- 15
EN18	EN	Payable until	F2	Payabl e until 15.03. 26	2026-03- 15

EN19	EN	Payable until	F3	Payabl e until 2026- 03-15	2026-03- 15
EN20	EN	Payable until	F4	Payabl e until 15/03/ 2026	2026-03- 15
EN21	EN	Payable until	F5	Payabl e until 03/15/ 2026	2026-03- 15
EN22	EN	Payable until	F6	Payabl e until 15 March 2026	2026-03- 15
EN23	EN	Payable until	F7	Payabl e until March 15, 2026	2026-03- 15
EN24	EN	Payable until	F8	Payabl e	2026-03- 15

				until 15. März 2026	
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3.3.2 German Combinations

ID	Language	Phrase	Format	Combined Example Text	Expected Parsed Date
DE1	DE	Fällig am	F1	Fällig am 15.03. 2026	2026-03-15
DE2	DE	Fällig am	F2	Fällig am 15.03. 26	2026-03-15
DE3	DE	Fällig am	F3	Fällig am 2026- 03-15	2026-03-15
DE4	DE	Fällig am	F4	Fällig am 15/03/ 2026	2026-03-15
DE5	DE	Fällig am	F5	Fällig am 03/15/ 2026	2026-03-15

DE6	DE	Fällig am	F6	Fällig am 15 March 2026	2026-03-15
DE7	DE	Fällig am	F7	Fällig am March 15, 2026	2026-03-15
DE8	DE	Fällig am	F8	Fällig am 15. März 2026	2026-03-15
DE9	DE	Zahlbar bis	F1	Zahlba r bis 15.03. 2026	2026-03-15
DE10	DE	Zahlbar bis	F2	Zahlbar bis 15.03.26	

If you want “due in X days” (payment term, not a date)

- **Zahlbar innerhalb von 30 Tagen**
- **Zahlungsziel: 30 Tage**
- **Zahlbar netto innerhalb von 30 Tagen**
- **Zahlbar binnen 30 Tagen**
- **Zahlung fällig innerhalb von 30 Tagen**
- **Fällig innerhalb von 30 Tagen nach Rechnungsdatum**
- **Fällig 30 Tage nach Rechnungsdatum**
- **Zahlbar 30 Tage nach Rechnungsdatum**