

UAT Sign-Off

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“ **Project:** Bilko **Version:** 0.1 **Date:** 2026-02-23 **Author:** Ops Architect **Status:** Draft (Template — fill in before each major release) **Reviewers:** Alem Bašić

Document History

Version	Date	Author	Changes
0.1	2026-02-23	Ops Architect	Initial draft

INSTRUCTIONS

UAT (User Acceptance Testing) is required before:

- Initial production launch (v1.0.0)
- Any release adding new financial features
- Any release changing VAT rates or accounting rules

UAT is performed on staging environment (`bilko-staging` Railway + Vercel preview). File: `UAT-SIGNOFF-vX.X.X.md` in `docs/releases/`

UAT Sign-Off — Bilko v1.0.0 (MVP)

UAT Period: YYYY-MM-DD to YYYY-MM-DD **Testing Environment:** <https://staging.bilko.io> **Tested by:** Alem Bašić **Release version:** v1.0.0

1. UAT Test Scenarios

1.1 Authentication & Account Setup

#	Scenario	Steps	Expected Result	Actual Result	Pass/Fail
A1	Register new organization	Go to /register → Fill company name (Test Firma d.o.o.), email, password → Submit	Account created, redirect to dashboard		
A2	Login with credentials	Go to /login → Enter email + password → Submit	Dashboard loads with correct org name		
A3	Logout	Click user menu → Logout	Redirected to /login, session cleared		
A4	Wrong password rejected	Login with wrong password	401 error, no user enumeration		
A5	Invite team member (if implemented)	Settings → Team → Invite → Enter email	Invite email sent to new user		

1.2 Invoice Creation (Core — P0)

#	Scenario	Input	Expected	Actual	Pass/Fail
I1	Create invoice — Serbia VAT	Customer: Acme Corp, Items: 10x 5000 RSD @ 20% VAT	Subtotal: 50,000 RSD, VAT: 10,000 RSD, Total: 60,000 RSD		
I2	Create invoice — zero-rate export	Items: 1x 10,000 RSD @ 0% VAT	VAT: 0 RSD, Total: 10,000 RSD		
I3	Create invoice — EUR currency	Items: 5x 100 EUR @ 20% VAT	Subtotal: 500 EUR, VAT: 100 EUR, Total: 600 EUR		

#	Scenario	Input	Expected	Actual	Pass/Fail
14	NUMERIC precision — no float drift	Items: 1x 33.33 RSD @ 20% VAT	VAT: 6.67 RSD, Total: 40.00 RSD (not 39.996...)		
15	Invoice number auto-generated	Create invoice	Number = INV-XXXX format		
16	Multi-item different VAT rates	Item 1: 1000 RSD @ 20%, Item 2: 500 RSD @ 0%	VAT: 200 RSD (only on item 1), Total: 1700 RSD		
17	Invoice status flow: Draft → Sent	Create invoice (Draft) → Send	Status changes to Sent, email delivered		
18	Mark invoice as paid	Click "Mark as Paid"	Status = Paid, paidAt timestamp set		

Financial precision test — critical:

For I4: Open browser DevTools → check API response body:

```
{
  "subtotal": "33.3300",
  "taxAmount": "6.6700",
  "totalAmount": "40.0000"
}
```

All amounts must be strings with 4 decimal places, never floating-point numbers.

1.3 Expense Tracking

#	Scenario	Expected	Actual	Pass/Fail
E1	Create expense with amount	Expense saved, status = Pending		
E2	Upload receipt photo	JPG uploads successfully, preview visible		
E3	Approve expense (as admin)	Status changes to Approved		
E4	Reject expense	Status changes to Rejected		
E5	Viewer cannot approve expense	403 error		

1.4 VAT Reporting

#	Scenario	Expected	Actual	Pass/Fail
V1	Generate VAT report — Serbia	Select period → Generate	Report shows: Output VAT (collected on invoices), Input VAT (paid on expenses), Net VAT payable	
V2	VAT report includes only own org data	Cross-org data not visible		
V3	VAT totals match invoice list	Sum of VAT from individual invoices = VAT report total		
V4	Date range filter works	Report only includes transactions in selected period		

Critical — VAT accuracy check:

After creating 3 invoices in test period:

- INV-001: 50,000 RSD + 10,000 VAT (20%)
- INV-002: 30,000 RSD + 5,100 VAT (17% BiH)
- INV-003: 10,000 RSD + 0 VAT (export)

VAT report must show:

- Output VAT: 15,100 RSD (10,000 + 5,100 + 0)
- Not 15,099.99 or 15,100.01

1.5 Multi-Tenancy Security (P0)

#	Scenario	Expected	Actual	Pass/Fail
T1	Create two test organizations	Both created separately		
T2	Org A cannot see Org B's invoices	Invoice list returns only Org A invoices		
T3	Org A cannot access Org B's invoice by ID	404 (not 403 — no data enumeration)		
T4	Viewer role cannot create invoice	403 error		

1.6 Performance

#	Scenario	Expected	Actual	Pass/Fail
P1	Invoice list loads in < 2s	Dashboard response < 2s		
P2	VAT report generates in < 5s	Report appears in < 5s on staging		
P3	Receipt upload completes in < 5s	Progress indicator, file appears in < 5s		

2. UAT Defects Log

#	Scenario	Defect Description	Severity	Status

3. UAT Summary

Category	Total Scenarios	Passed	Failed	Blocked
Authentication	5			
Invoice (incl. financial precision)	8			
Expenses	5			
VAT Reporting	4			
Multi-tenancy security	4			
Performance	3			
TOTAL	29			

4. Financial Accuracy Verification

Required sign-off item. Alem Bašić must verify:

- Invoice I1: Subtotal 50,000.0000, VAT 10,000.0000, Total 60,000.0000
- Invoice I4: Decimal precision correct (no float drift)
- VAT Report V3: Report totals match sum of individual invoices
- Multi-tenancy T2: Confirmed two orgs cannot see each other's data

I confirm that the financial calculations in this release are accurate to NUMERIC(19,4) precision and comply with the applicable VAT rules for Serbia, Bosnia, and Croatia.

5. UAT Sign-Off Decision

Recommendation

- APPROVED** — All P0 scenarios pass, no P0 defects open. Release approved for production.
- CONDITIONAL** — Approved with conditions: [conditions listed below]
- REJECTED** — P0 defects found. Do not deploy until resolved.

Conditions (if conditional):

Open Defects at Sign-Off

#	Defect	Severity	Resolution

Sign-Off

I have tested the scenarios listed above in the staging environment and confirm that the system is ready (or not ready) for production deployment based on the recommendation above.

Role	Name	Date	Signature
Primary UAT	Alem Bašić		
Tech Lead			

Related Documents

- [Deployment Checklist](#)
 - [Test Plan](#)
 - [Release Notes](#)
 - [TESTING-GUIDE.md](#)
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Revision #3

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