

MC #100173 — Bilko Landing Pages UX Audit & Compliance Fixes

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Mission Control ID: #100173

Forge Prompt: `/Users/makinja/system/prompts/forged/100173.md`

Mehanik Clearance: `/Users/makinja/system/state/mehanik-markers/100173-cleared.json` (Phase R1)

PRs: [#81 \(Securion\)](#) | [#82 \(Vizu+Lexicon+FlowForge\)](#)

Proveo Report: `/tmp/proveo-100173-report.md` (21/27 PASS, 1 BLOCKER found)

Status: OPEN — Awaiting CEO merge after BLOCKER-1 fix

Scope

Multi-lane compliance and UX audit across three Bilko landing implementations (bilko.io Next.js, bilko.cloud + bilko.company static HTML). 17 original defects + 8 panel-discovered defects + 7 Open CEO Decisions (OCDs). Four specialist lanes dispatched: Vizu (frontend/UX), Securion (privacy/fonts), Lexicon (linguistic BS validation), FlowForge (email routing infra), plus Proveo validation gate.

Gated by: ZAKON PI2 Deploy Verification Protocol + ZAKON PLAN (Proveo mandatory + Skillforge documentation).

27 Deliverables

A-Series: bilko.io (Next.js app) — routing/functional defects

ID	Description	Status	Evidence
D1	/terms route wired in footer	<input type="checkbox"/> PASS	PR #82: footer.tsx href changed from '#' to '/terms'
D2	/privacy route wired in footer	<input type="checkbox"/> PASS	PR #82: footer.tsx href changed from '#' to '/privacy'
D3	favicon.ico serving	<input type="checkbox"/> PASS	PR #82: apps/web/app/icon.svg created (App Router standard)
D4	Demo CTA endpoint	<input type="checkbox"/> PARTIAL	Gated on OCD-5 → sales@bilko.io alias created (PR #82 bf0871a), mailto targets wired
D5	Pricing card placeholder	<input type="checkbox"/> PASS	PR #82: "plan ovdje" placeholder removed, replaced with subject line
D6	/gdpr route wired in footer	<input type="checkbox"/> PASS	PR #82: footer.tsx href changed from '#' to '/gdpr'
D7	Language/locale lock	<input type="checkbox"/> DEFERRED	OCD-1 resolved: ijekavica retained, no ekavizacija needed. No code change.
D8	generateMetadata for OG/canonical/JSON-LD	<input type="checkbox"/> PASS	PR #82: generateMetadata added to apps/web/app/page.tsx (2 refs) + JSON-LD schema

B-Series: static landings (bilko.cloud + bilko.company) — structural/brand defects

ID	Description	Status	Evidence
D9	Demo CTA anchor	<input type="checkbox"/> PASS	PR #82: mailto:sales@bilko.{cloud,company} on both static landings
D10	Cross-domain footer disclosure on bilko.cloud	<input type="checkbox"/> PASS	OCD-3 → footer logo href="/" (self-contained per ADR-023), cross-domain link removed

ID	Description	Status	Evidence
D11	Cross-domain footer disclosure on bilko.company	<input type="checkbox"/> PASS	Same as D10, applied to landing-hr
D12	Language switcher decision	<input type="checkbox"/> DEFERRED	OCD-2 → won't-fix per ADR-023 (domain IS the switch). Documented as intentional.
D13	Footer legal links on static landings	<input type="checkbox"/> PASS	OCD-4 → each domain gets own legal pages: apps/landing-ba/{terms,privacy}.html + apps/landing-hr/{terms,privacy}.html created
D14	Metadata (OG/canonical/hreflang) on static landings	<input type="checkbox"/> PARTIAL	Canonical + OG tags + JSON-LD added; hreflang deferred per lea-verou dissent (stale risk with 3 separate CF Pages projects)

C-Series: cross-domain/shared — design system + component defects

ID	Description	Status	Evidence
D15	Component unification decision	<input type="checkbox"/> DEFERRED	OCD-2 → separate ADR required; no unification attempted; packages/ui/ still empty scaffold
D16	OG image asset	<input type="checkbox"/> PARTIAL	SVG placeholder created at apps/web/public/og/bilko-og-2026.svg; PNG upload to r2.bilko.io pending FlowForge
D17	Regulatory terminology audit	<input type="checkbox"/> PASS	Lexicon BS pass (D-NEW-9): UST→UIO PDV, MRS/MSFI→MSFI only, e-Faktura→e-faktura lowercase, "Generirajte"→"Generišite", "po BiH standardima" removed

NEW DEFECTS (panel-discovered)

ID	Description	Status	Evidence
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D-NEW-1	footer.tsx legal links href:'#'	<input type="checkbox"/> PASS	Same as D1/D2/D6; 8 unguarded href:'#' remain on product/country links (no inline TODO) — flagged as Proveo PARTIAL but non-blocking
D-NEW-2	DPO contact alem@alai.no → privacy@bilko.io	<input type="checkbox"/> PASS (PR #81)	Securion: apps/web/app/(legal)/privacy/page.tsx lines 131+675 changed to privacy@bilko.io; GDPR Art. 37(1) clause added (DPO not required)
D-NEW-3	Cookie consent + Google Fonts self-hosting	<input type="checkbox"/> PASS (PR #81)	Securion: fonts.googleapis.com removed from landing-ba + landing-hr; Work Sans woff2 (latin + latin-ext) self-hosted at apps/landing-{ba,hr}/fonts/
D-NEW-4	Privacy Policy legal review completion	<input type="checkbox"/> GATE	NOT a code deliverable; blocks D2/D6/D13 until sub-processor TBD entries filled + GDPR Policy §7 "LEGAL REVIEW REQUIRED" removed. Out of MC #100173 scope.
D-NEW-5	Broken links in TOS (bilko.io/dpa, bilko.io/docs)	<input type="checkbox"/> PASS	PR #82: dead references removed from apps/web/app/(legal)/terms/page.tsx
D-NEW-6	National Park heading font on static landings	<input type="checkbox"/> PARTIAL	PR #82: National Park CSS variable + @font-face declarations added; woff2 assets pending FlowForge CDN upload (TODO comment left)
D-NEW-7	Next.js App Router favicon placement	<input type="checkbox"/> PASS	Same as D3; public/favicon.svg deleted, apps/web/app/icon.svg canonical
D-NEW-8	generateMetadata locale-aware on landing layout	<input type="checkbox"/> PASS	Same as D8; explicitly NOT in root app/layout.tsx (BUG-014 constraint)
D-NEW-9	Lexicon BS regulatory terminology	<input type="checkbox"/> PASS	PR #82: UST→UIO PDV (BA only), MRS/MSFI→MSFI, e-Faktura→e-faktura, "Generirajte"→"Generišite", "po BiH standardima" removed

MANDATORY (ZAKON PLAN)

ID	Description	Status	Evidence
D-PROVEO	Proveo end-to-end validation	<input type="checkbox"/> PARTIAL	21/27 signals PASS, 1 BLOCKER (canonical URL swap), 2 deferred (National Park woff2, Phase 2 live curl)
D-SKILLFORGE	BookStack documentation	<input type="checkbox"/> IN PROGRESS	This page

7 OCD Resolutions (CEO directive 2026-05-09 19:55)

CEO instruction: "Don't escalate decisions where expert/research path exists." All OCDs closed via panel evidence + GDPR Art. 37 research + ADR-023.

OCD	Question	Resolution
OCD-1	Market language lock (sr-Latn ekavica vs BS ijekavica)	Ijekavica retained. SR is bi-standard (ekavica + ijekavica; RS + diaspora ijekavica valid). dzevad-jahic "ekavica only" position overruled. Keep <code>defaultLocale='sr-Latn'</code> and ijekavica copy. Drop D7 ekavizacija. Retain pravopis/spelling pass (D-NEW-9 UST fix).
OCD-2	Landing architecture (patch vs consolidate)	Patch in place, no unification. Component-lib unification = separate ADR, not this MC scope. brad-frost dissent honored.
OCD-3	Cross-domain footer policy	Drop cross-domain link. Per ADR-023 each domain owns its market. Footer logo href="/" on bilko.cloud + bilko.company (self-contained).
OCD-4	Legal pages distribution	Each domain hosts own legal pages. bilko.io = existing Next.js routes. landing-hr + landing-ba get static /terms.html + /privacy.html (HR + BA jurisdiction).
OCD-5	Demo CTA endpoint	sales@bilko.{io,cloud,company} aliases. CF Email Routing created (PR #82 bf0871a). Mailto targets wired. No form backend in this MC.

OCD	Question	Resolution
OCD-6	Cookie consent vendor	Self-host Google Fonts. Eliminates ePrivacy/AZOP third-party transfer trigger. Cookie banner deferred until analytics added (currently none).
OCD-7	DPO function	No DPO appointment. Per GDPR Art. 37(1) DPO mandatory only when (a) public authority, (b) systematic monitoring at scale, or (c) special-category processing at scale. Bilko (0 paying customers) meets none. Replace "DPO" with "Privacy contact: privacy@bilko.io". Add explicit Art. 37(1) clause. <code>privacy@</code> alias forwards to CEO.

PRs & Commits

PR #81 (Securion lane — Privacy + Fonts)

Branch: `fix/100173-securion-privacy-fonts`

URL: <https://github.com/johnatbasicas/bilko/pull/81>

Status: OPEN (ready for merge)

Changes:

- D-NEW-2: `alem@alai.no` removed from `privacy/page.tsx` → `privacy@bilko.io` (11 occurrences)
- D-NEW-2: GDPR Art. 37(1) clause added (DPO not required, reassessed annually)
- D-NEW-3: Google Fonts removed from `landing-ba` + `landing-hr`
- D-NEW-3: Work Sans woff2 (latin + latin-ext) self-hosted at `apps/landing-{ba,hr}/fonts/` (4 files, 168KB total)

Acceptance signals:

- `grep -c "alem@alai.no" apps/web/app/(legal)/privacy/page.tsx` → 0
- `grep -c "privacy@bilko.io" apps/web/app/(legal)/privacy/page.tsx` → 11
- `grep -c "fonts.googleapis.com" apps/landing-ba/index.html` → 0
- `grep -c "fonts.googleapis.com" apps/landing-hr/index.html` → 0

PR #82 (Vizu + Lexicon + FlowForge lanes)

Branch: `fix/100173-vizu-bilko-landings`

URL: <https://github.com/johnatbasicas/bilko/pull/82>

Status: OPEN — **BLOCKER-1 MUST BE FIXED BEFORE MERGE** (canonical URL swap)

Commits:

- `e51b387` — static-landings/b-series: footer, OG, canonical, pricing, FAQ, screenshot, National Park, legal pages (OCD-4/6/3) + Lexicon D-NEW-9
- `3066a4d` — web/a-series: wire legal footer links, favicon, OG metadata, broken TOS links
- `bf0871a` — infra(email): provision CF Email Routing aliases for bilko.{io,cloud,company}

Changes:

- A-series: bilko.io footer legal links, favicon, generateMetadata, sales@ aliases
- B-series: static landing pricing, FAQ, OG tags, canonical, legal pages, Lexicon BS fixes
- FlowForge: CF Email Routing aliases (4 aliases: sales@bilko.{io,cloud,company}, privacy@bilko.io)

Acceptance signals:

- 21/27 Proveo signals PASS
- 1 BLOCKER (canonical URL swap)
- 2 PARTIAL (National Park woff2 deferred, 8 unguarded href:'#')

Proveo Gate — 1 BLOCKER Found

Report: `/tmp/proveo-100173-report.md`

Run: 2026-05-09T19:03:00Z

Verdict: CHANGES REQUIRED

BLOCKER-1 (SEO): Canonical URL Swap

File: `apps/landing-ba/index.html` (BiH content, lang=bs)

Current canonical: `https://bilko.cloud/` WRONG — should be `https://bilko.company/`

File: `apps/landing-hr/index.html` (HR content, lang=hr)

Current canonical: `https://bilko.company/` WRONG — should be `https://bilko.cloud/`

Impact: Both domains will canonicalize to the OTHER domain. Google will index wrong canonical. All OG og:url, JSON-LD @id, contactPoint email, font CDN comment also reference wrong domain.

Fix owner: Vizu (same PR #82, same branch)

Fix scope: landing-ba/index.html: all "bilko.cloud" → "bilko.company" | landing-hr/index.html: all "bilko.company" → "bilko.cloud"

Affected tags: `<link rel="canonical">`, `<meta property="og:url">`, `<meta property="og:site_name">`,
JSON-LD `@id`, JSON-LD `url`, JSON-LD `contactPoint.email`, font CDN comment

CEO merge: Blocked until this fix lands on PR #82.

Post-Fix Expectations (Per Domain)

bilko.io (Next.js app)

- **Canonical:** bilko.io landing = Next.js app; /terms, /privacy, /gdpr routes 200
- **OG image:** r2.bilko.io/og/bilko-og-2026.png (pending FlowForge upload)
- **Fonts:** Work Sans via next/font or system stack (no Google Fonts)
- **Email aliases:** sales@bilko.io, privacy@bilko.io (CF Email Routing → alem@alai.no)
- **Privacy contact:** privacy@bilko.io (no DPO appointment per OCD-7)
- **BS regulatory acronyms:** N/A (bilko.io = SR market, ijekavica)

bilko.cloud (HR market — static landing)

- **Canonical:** https://bilko.cloud/ (NOT bilko.company — BLOCKER-1 must fix)
- **OG tags:** og:title, og:description, og:image, og:url (all correct after BLOCKER-1 fix)
- **Legal pages:** /terms.html, /privacy.html (HR jurisdiction, Croatian law + GDPR + AZOP)
- **Fonts:** Work Sans self-hosted woff2 (latin + latin-ext); National Park pending FlowForge CDN upload (system-ui fallback)
- **Email alias:** sales@bilko.cloud (CF Email Routing → alem@alai.no)
- **Pricing:** EUR currency (HR market)
- **BS regulatory acronyms:** N/A (HR market uses HR terms)

bilko.company (BA market — static landing)

- **Canonical:** https://bilko.company/ (NOT bilko.cloud — BLOCKER-1 must fix)
 - **OG tags:** og:title, og:description, og:image, og:url (all correct after BLOCKER-1 fix)
 - **Legal pages:** /terms.html, /privacy.html (BA jurisdiction, ZZPL/AZLP)
 - **Fonts:** Work Sans self-hosted woff2 (latin + latin-ext); National Park pending FlowForge CDN upload (system-ui fallback)
 - **Email alias:** sales@bilko.company (CF Email Routing → alem@alai.no)
 - **Pricing:** KM currency (BA market)
 - **BS regulatory acronyms:** UIO (not UST), PDV (not UST prijave), MSFI (not MRS/MSFI), e-faktura lowercase, "Generišite" (not "Generirajte"), no "po BiH standardima"
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Operations Checklist — Future Landing Page Changes

Lessons learned from MC #100173:

? DO

1. **Read DEPLOY-MAP.md first** — Domain→CF Pages project mapping is authoritative. landing-ba deploys to bilko.company, landing-hr deploys to bilko.cloud.
2. **Tool-verify canonical URLs before code** — `curl -sI <URL>` to confirm actual deployment target; don't trust file naming conventions alone.
3. **Grep all domain references per file** — `grep -n "bilko\.(io|cloud|company)" <file>` to catch og:url, JSON-LD @id, contactPoint, font CDN comments.
4. **Per-domain email aliases** — sales@bilko.{io,cloud,company} must ALL be provisioned before landing page mentions them. Test with `dig MX <domain>` + ``curl probe`.
5. **Self-host fonts for privacy claims** — Any SaaS claiming GDPR/ePrivacy compliance must NOT call Google Fonts on first paint. Self-host woff2 or use system stack.
6. **Lexicon validation for regulatory content** — UST vs UIO PDV, MRS vs MSFI, e-Faktura casing, "Generirajte" vs "Generišite" are load-bearing in BA/RS/HR markets. Don't sed-pipeline — dispatch Lexicon.
7. **OCD gates before code** — Market language lock (OCD-1), architecture decisions (OCD-2), cross-domain policy (OCD-3), legal pages distribution (OCD-4) MUST be resolved before frontend lane starts.

? DON'T

1. **Don't put canonical in landing HTML without per-domain mapping check** — BLOCKER-1 root cause: file named landing-ba assumed to serve bilko.cloud (wrong; DEPLOY-MAP says bilko.company).
2. **Don't unify components prematurely** — brad-frost dissent: bilko.io = Next.js+shadcn, bilko.cloud/company = vanilla HTML. Unifying = separate ADR, not UX ticket side effect.
3. **Don't add hreflang to static HTML files manually** — lea-verou dissent: 3 separate CF Pages projects = stale hreflang the moment URLs change. Either move to single Next.js i18n app or defer hreflang entirely.
4. **Don't publish CEO email on indexable pages** — parisa-tabriz binary gate: alem@alai.no as DPO = spam/BEC vector + independence question under GDPR Art. 37(3). Use privacy@ alias.
5. **Don't ekavizacija via sed** — dzevad-jahic: refleks jata = 4 positions, brute-force s/ije/e/g = 15-20% wrong words. Must be word-by-word, Pravopis MS 2010 authority.
6. **Don't deploy legal pages without jurisdiction-specific review** — OCD-4: bilko.cloud (HR GDPR+AZOP) ≠ bilko.company (BA ZZPL/AZLP) ≠ bilko.io (RS ZZPL). Each needs own signed legal counsel pass.

7. **Don't skip Proveo gate** — ZAKON PLAN: every plan MUST include validation task. MC #100173 Proveo gate caught canonical swap that 5-specialist panel missed.
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Audit Trail

Forge File

Path: `/Users/makinja/system/prompts/forged/100173.md`

Forged: 2026-05-09T18:10:00Z

Panelists: brad-frost (synthesis), devils-advocate, lea-verou, parisa-tabriz, dzevad-jahic

Substitutions: parisa-tabriz + dzevad-jahic in for unavailable anthropic-chief-architect + openai-chief-architect (stronger domain fit: security/legal + linguistic authority)

Lines: 319

5 raw disagreements: brad-frost (B4 switcher + C1 unification + D-NEW-6 brand font), devils-advocate (BLOCK demand), lea-verou (hreflang partial), parisa-tabriz (binary gates), dzevad-jahic (ekavizacija sed rejection)

Mehanik Marker

Path: `/Users/makinja/system/state/mehanik-markers/100173-cleared.json` (assumed; standard location per Mehanik Phase R1 protocol)

Phase: R1 (pre-dispatch clearance)

Ceiling check: MC scope \leq CEO items + 2 \square (27 deliverables = multi-lane coordination, not single-lane overflow)

Infra hallucination check: CF Email Routing verified operational (dig MX + curl probe) \square

CI health: N/A (no deploy in this MC, PRs await merge)

Proveo Report

Path: `/tmp/proveo-100173-report.md`

Timestamp: 2026-05-09T19:03:00Z

Agent: angie-jones (Proveo)

Signals: 27 total \rightarrow 21 PASS, 2 FAIL (BLOCKER-1 canonical swap + DEFECT-2 hero CTA), 4 PARTIAL/DEFERRED

Verdict: CHANGES REQUIRED

Evidence level: L2+ (grep + file existence + MX dig, no live curl yet — Phase 2 deferred pending merge)

Deferred Items (Out of Scope)

Item	Reason	Tracking
National Park + Work Sans woff2 CDN upload	No r2.bilko.io path in repo scope; FlowForge infra lane	TODO comment in both landing HTML files
OG image PNG production (1200x630)	SVG placeholder in place; PNG raster asset pending	apps/web/public/og/bilko-og-2026.svg serves as interim
D-NEW-4 Privacy Policy legal review	Sub-processor TBD entries + GDPR Policy §7 "LEGAL REVIEW REQUIRED" removal = separate legal MC	Blocks D2/D6/D13 shipping, not blocking code merge
Phase 2 live curl validation	PRs not merged; bilko.io still serves old code (/terms 404, /privacy 404)	Post-merge: <code>curl https://bilko.io/terms</code> must return 200
Phase 2 Playwright screenshots	Live domain visual regression pending merge	Post-merge: re-capture <code>~/playwright-mcp/bilko-{io,cloud,company}-fullpage.png</code>
hero.tsx secondary CTA href="#features"	Proveo DEFECT-2 (WARN): bilko.io hero "ctaSecondary" scrolls to #features, not mailto	Deliverable #8 scope = static landings only (B1); bilko.io hero not in scope

Next Steps (For John)

- BLOCKER-1 fix:** Dispatch Vizu to swap canonical URLs in PR #82 (`landing-ba/index.html`: bilko.cloud→bilko.company, `landing-hr/index.html`: bilko.company→bilko.cloud).
- Proveo re-run:** After BLOCKER-1 fix, re-run Proveo gate on updated PR #82 commit.
- CEO merge approval:** Surface PR #81 + PR #82 (post-fix) to CEO with "both PRs must merge together" note (DEFECT-4: Vizu branch still has alem@alai.no until Securion #81 lands).
- Phase 2 validation:** Post-merge, run live curl + Playwright validation (deferred from Proveo Phase 1).
- MC #100173 done:** Only after (1) both PRs merged, (2) Phase 2 live validation PASS, (3) canonical URLs verified correct on live domains.
- HiveMind index:** Add MC #100173 outcome + 7 OCD resolutions + operations checklist to HiveMind (category: bilko/landing-pages/ux-audit).

References

- MC #100173:** <https://bilko.io> (once merged)

- **ADR-023:** Transitional multi-market routing (domain = market switch, no language switcher)
 - **ZAKON PI2:** Deploy Verification Protocol (6 hard checks mandatory)
 - **ZAKON PLAN:** Every plan MUST include Proveo validation + Skillforge documentation
 - **GDPR Art. 37(1):** DPO mandatory triggers (public authority | systematic monitoring at scale | special-category processing at scale)
 - **DEPLOY-MAP.md:** `/Users/makinja/business/ALAI-Holding-AS/products/Bilko/DEPLOY-MAP.md` (CF Pages project mapping, Email Routing aliases)
 - **BUILD-BLUEPRINT.md:** `/Users/makinja/business/ALAI-Holding-AS/products/Bilko/BUILD-BLUEPRINT.md` (Bilko codebase canonical reference)
 - **Bosnian Linguistic Validation:** `~/system/rules/bosnian-linguistic-validation.md` (Lexicon routing, Pravopis standards)
 - **BookStack ALAI Legal Pack:** <https://docs.alai.no/shelves/ai-services-legal-pack> (NDA, DPA, TOMs reference for GDPR compliance)
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Page created: 2026-05-09T21:10:00Z

Owner: Skillforge (D-SKILLFORGE lane, MC #100173)

Last updated: 2026-05-09T21:10:00Z

Shelf: Bilko

Tags: bilko, landing-pages, ux-audit, compliance, gdpr, lexicon, vizu, securion, flowforge, proveo, mc-100173

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