



AirBoard
by Thoth Group LLC

VERIFICATION REPORT

What passed, what is partial, and what is still blocked.

A release evidence snapshot for AirBoard desktop, Thoth License Studio, the public website, checkout, downloads, security and platform trust.

Test date: 29 July 2026 Application: AirBoard 1.0.0 Website: airboard.nawaeurope.com

Executive verdict

The core local calculation, licence signature, airport search, desktop source integrity, live website, Stripe checkout and direct downloads have verified evidence. The release must not be described as fully trusted on clean customer devices until organization-owned macOS notarization and Windows Authenticode signing are complete. Windows is currently a portable ZIP, not the final signed step-by-step installer.

RELEASE SCORECARD

Verification summary

AREA	RESULT	EVIDENCE / NOTE
Flight economics	PASS	Deterministic distance, fuel quantity, fuel cost and full flight result tests passed.
Licence cryptography	PASS	One-year Ed25519 licence creation/verification passed; tampered and expired codes were rejected.
AirBoard source syntax	PASS	Main, preload, renderer and economics JavaScript syntax checks passed.
Licence Studio source syntax	PASS	Main, preload and renderer JavaScript syntax checks passed.
Airport selection	PASS	Typing OTP proposed matching airports; the selected OTP/LROP base was saved. Base starts blank.
Website availability	PASS	The public site and forced attachment download routes were reachable over HTTPS.
Stripe checkout	PASS	EUR 199/year checkout and automatic invoice configuration were verified.
Dependency security	PASS	Local production dependency audit returned no known vulnerabilities; Hostinger scan showed zero findings after remediation.
Desktop UI coverage	PARTIAL	Source-level and macOS visual checks were performed; a complete clean-device Windows interaction run was not available on this Mac.
macOS publisher trust	BLOCKED	No Thoth Group LLC Developer ID Application identity/notarization credential is installed.
Windows publisher trust	BLOCKED	No Thoth Group LLC Authenticode certificate/signing tool is installed.
Online activation	BLOCKED	Remote device binding and revocation enforcement require a server-side activation service.

Status definitions: PASS = evidence satisfied for the stated scope. PARTIAL = useful evidence exists but platform or end-to-end coverage is incomplete. BLOCKED = an external credential or unimplemented service is required.

AUTOMATED TEST EVIDENCE

Desktop calculation and licence tests

AREA	RESULT	EVIDENCE / NOTE
Great-circle route distance	PASS	Realistic airport-to-airport result.
Fuel quantity and cost	PASS	Aircraft profile, distance, taxi fuel, reserve and price calculation.
Complete flight profit/loss	PASS	Revenue minus connected cost families; no random result generation.
One-year signed licence	PASS	Issued code verified for product/company/date.
Tamper and expiry rejection	PASS	Modified and expired tokens rejected.
Studio customer validation	PASS	Company/email normalization, date ordering and device-count bounds.
One-year renewal window	PASS	UTC renewal period starts at issue time and ends one year later.
CSV register export	PASS	Quoted customer and licence fields preserve commas and quotation marks.

Result

9 tests passed · 0 failed · 0 skipped.

Static and security checks

- Seven JavaScript entry points passed the Node syntax checker.
- The production dependency audit reported: No known vulnerabilities found.
- Customer-controlled licence fields are escaped before renderer output.
- Licence export excludes the private signing key; AirBoard data export excludes the customer licence code.
- Download routes whitelist filenames, set nosniff, force attachment disposition and reject invalid ranges.

Calculation formula under test

Flight contribution

Revenue = ticket revenue + inflight revenue. Fuel = hourly burn × planned hours + taxi fuel + reserve. Total cost = fuel + crew + airport/passenger fees + handling + maintenance reserve + wheels/spares + insurance + other.
Result = revenue – total cost.

FUNCTIONAL COVERAGE

AirBoard desktop checks

AREA	RESULT	EVIDENCE / NOTE
Seven-step setup	PASS	Company, fleet, people, compliance, costs, stations and review views are implemented.
Aircraft catalogue	PASS	113 common types across passenger, cargo, charter, business and rotorcraft categories, plus custom entry.
Airport catalogue	PASS	9,055 active airports with IATA codes from the OurAirports public-domain dataset.
Airport autocomplete	PASS	Search by IATA, ICAO, city or name; base is not prefilled.
Several aircraft	PASS	One record per tail with registration, status, burn, speed, taxi and reserve inputs.
Flight record	PASS	Create/edit/delete structure and complete flight cost fields are implemented.
Overview	PASS	Uses saved records for flights, revenue, costs, result, margin and readiness; no fake sample fallback.
Search	PASS	Global search and Command/Ctrl + F are wired.
Audit	PASS	Company and record mutations create local audit events; current findings are displayed.
Export	PASS	Native save dialog exports company, records and audit data.
Generative AI	PARTIAL	Current advice is a transparent local rules engine, not an external generative-AI service.
Official airport tariffs	PARTIAL	Data model accepts tariff/contract/average input; automatic current fee ingestion is not implemented.

Thoth License Studio checks

- Generate signed one-year licences with validated company, email, dates and device-count metadata.
- Search the publisher register, renew a code for one year, record local revocation, copy codes and export CSV.
- Private key uses operating-system protected storage; AirBoard trusts the matching public key.

Enforcement limitation

The maxDevices field is recorded but not enforced across computers. Local revocation does not reach offline customers. These require a secure activation API, device registry, authenticated publisher console and customer privacy/retention policy.

LIVE WEBSITE AND DOWNLOADS

Publication evidence

AREA	RESULT	EVIDENCE / NOTE
Marketing website	PASS	HTTPS page presents product, ecosystem, how it works, desktop downloads, guides, mobile-coming-soon, security, pricing and FAQ.
macOS download response	PASS	HTTP 200, Apple disk-image content type, forced attachment and expected 221,703,485-byte length.
Windows range response	PASS	HTTP 206 range support, application/zip content type and valid ZIP header.
macOS transfer integrity	PASS	Full live DMG SHA-256 matched the local release file.
Unknown downloads	PASS	Filename whitelist returns 404 for unapproved files.
Security headers	PASS	HSTS, CSP, frame denial, nosniff, referrer and permissions policies configured.
Responsive product presentation	PASS	Three real product screens use optimized responsive images; desktop, tablet and phone layouts were checked.

Verified live checksum

AirBoard 1.0.0 macOS Universal DMG

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Checkout and invoice

- Annual product price verified at EUR 199.
- Business name, billing address, supported tax/VAT ID and business email are collected in checkout.
- Stripe subscription invoice creation and hosted invoice/PDF links are configured.
- No secret key or customer payment-card data is embedded in this report or the website source.

SECURITY AND RELEASE GATES

What must happen before a trusted production claim

AREA	RESULT	EVIDENCE / NOTE
Apple certificate	BLOCKED	Enroll/verify Thoth Group LLC and install a Developer ID Application certificate owned by the company.
macOS notarization	BLOCKED	Sign hardened runtime, submit DMG/app to Apple notary service, staple ticket and verify with spctl.
Windows certificate	BLOCKED	Acquire organization Authenticode certificate, protect signing key and sign executable/installer.
Windows installer	BLOCKED	Build and test NSIS installer on Windows, sign it, verify uninstall/upgrade and test SmartScreen reputation.
Activation service	BLOCKED	Implement server-side issue/activate/deactivate/revoke/device-limit checks with offline-grace and audit design.
Clean-device matrix	BLOCKED	Test macOS Intel/Apple silicon and Windows x64/ARM64 on clean supported systems.

Why the current files can still show a warning

Operating systems establish publisher trust from organization-owned code-signing certificates and, on macOS, notarization. A website change or application setting cannot replace those credentials. Personal certificates were intentionally not used because the publisher must be Thoth Group LLC.

Recommended verification after credentials arrive

- macOS: codesign --verify --deep --strict, spctl assessment, notarization log, staple validation and first-launch test on a clean account.
- Windows: signtool verify /pa, installer install/repair/upgrade/uninstall, standard-user test, SmartScreen observation and antivirus scan.
- Both: licence activation, renewal, expiry, clock rollback, offline grace, device replacement, revocation and audit export.

RELEASE DECISION

Approved scope and next decision

Approved for controlled evaluation

The current build is suitable for owner-led evaluation of setup, airport selection, aircraft profiles, flight economics, finance/expense entry, management overview, local audit and offline signed licences.

Not yet approved as warning-free signed production installers

Do not represent the current Mac or Windows files as notarized or trusted-publisher installers. Complete organization signing, Windows installer creation and the clean-device matrix first.

Priority order

1	Obtain Thoth Group LLC signing credentials Apple Developer ID Application and Windows Authenticode.
2	Build, sign and notarize Create trusted DMG and signed Windows installer artifacts.
3	Run clean-device acceptance Install, launch, use, upgrade and uninstall on every supported architecture.
4	Implement online activation if required Enforce device limits and remote revocation with an auditable service.
5	Repeat this report Replace every blocked result with fresh certificate, installer and device evidence.

This report records the tested scope and known limitations as of 29 July 2026. It is not an aviation authority approval, penetration-test certification, legal opinion or accounting assurance report.