

THE ATLAS™ PROJECT — CONSTITUTIONAL CHARTER

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Preamble

Atlas™ converts the healthy, private, non-harmful novelty of living into value using a first of its kind Proof of Entropy™. It guarantees a calm, cost-of-living Universal Basic Income (UBI) for every person and offers fair, capped variable rewards for verified, life-affirming effort measured against one's own baseline. Harm never earns. Privacy is a condition of care. The generation of money and value hums in the background so people can focus on living.

PART I — PERPETUAL INVARIANTS (UNALTERABLE)

- 1) UBI first, always. UBI is paid before any other outflow each epoch and is indexed to independent cost-of-living (COL) measures. UBI does not depend on token price, ideology, or performance.
- 2) Harm never earns. No human or environmental harm can generate variable rewards. Where lawful, only offense-window variable rewards (not UBI) may be redirected to restitution or the UBI reserve following due process.
- 3) Proofs-not-data. The protocol accepts only privacy-preserving proofs produced on user devices (or certified devices). No raw biometrics, diaries, media, documents, or locations leave a user's device. Raw signals are deleted after proof within a short, bounded window.
- 4) Proof of Living (PoL) by default; Proof of Identity (PoID) optional. PoL is sufficient to receive UBI and to earn. PoID may be offered only where law requires and must remain privacy-preserving (e.g., zero-knowledge credentials).
- 5) Non-coercion. Participation in Atlas™ cannot be made a condition of employment, housing, benefits, insurance, education, or public services.
- 6) Disciplined issuance. Each epoch has a fixed variable-rewards pool. There is no “pay-to-mint.” Purchases or holdings of tokens cannot increase issuance.

- 7) Equal safe effort → comparable rewards. Normalize for access constraints using privacy-preserving inputs so that equal, safe effort yields comparable rewards across groups and places. No identity traits are required or rewarded.
- 8) No protected-trait rewards or penalties. Never reward or penalize based on protected characteristics (race, religion, sex/gender, sexual orientation, disability, immigration status). Disclosure is never required.
- 9) Privacy as a condition of care. Public outputs use differential privacy or equivalent protections. No person-level data or linking keys are published.
- 10) Liveness & secure attestation. Earning variable rewards requires ongoing liveness checks and secure device attestation. UBI requires continuing PoL only.
- 11) Incarceration stance. UBI continues with PoL during incarceration. Variable rewards pause absent certified sensors and liveness, except for verified education/therapy/rehab or service programs. Restitution (where lawful) touches only offense-window variable rewards; never UBI.
- 12) Environmental harm exclusion. Verified environmental harm cannot earn. Organizer/attestor escrows are first-loss for harm they cause or enable.
- 13) Transparency cadence. Publish (with differential privacy): monthly issuance and fairness reports; public calendars for parameter changes; and annual third-party privacy/security audits.
- 14) Conformance to earn. Devices, apps, attestors, organizers: must pass the open Conformance Test Suite (secure attestation, on-device compute, deletion guarantees, safety/ethics) to earn or use Atlas™ marks.
- 15) Open provenance & licensing. Specs and parameter tables carry timestamped hashes (anchored on-chain). The Constitution/specs are published under CC0 or CC BY; a neutral Foundation stewards names/marks and conformance—not user data.
- 16) Calm public status; no panic feeds. Public outputs show steady summaries. Breaking signals route to responders, not to public dashboards.
- 17) Flags/denominations must obey invariants. Any local/community/cause denomination on the Atlas™ chain must pass conformance and cannot violate these invariants. Atlas™ UBI and Atlas™ price independence must not be affected by flags.
- 18) People over machines. Human, life-affirming signals are privileged over synthetic signals; synthetic inputs cannot displace human earnings.

19) Amendment firewall. Any attempt to amend, suspend, or bypass Invariants 1–18 is void.

PART II — GOVERNANCE (CHANGEABLE UNDER STRICT PROCESS)

Institutions (with suggested numbers; changeable via process)

A) Independent Attestors (per country): registered NGOs, universities, clinics, accredited labs/venues that verify outcomes via proofs-not-data. Political parties and state coercive agencies cannot be attestors.

B) NGO College (per country): 21 members (7 sectors × 3 seats). Sectors include health, education, environment, arts/culture, science/tech, labor/community, humanitarian relief.

C) Country Guardians (per country): 9 members minimum, elected from NGO College slates (must be endorsed by ≥5 attestors across ≥3 sectors, including at least one neighbouring-country attestor). Guardians certify national conformance and protect invariants.

D) Global Council: 49 seats globally, allocated by active member-country counts with regional caps (no country holds >2 seats). Runs protocol ops within policy bands; proposes budgets.

E) Countries House: 1 seat per participating country (min 25 to open; scales up to 195). Approves/rejects Global Council proposals; ensures no region dominates.

F) Constitutional Triumvirate: 3 stewards elected by 2/3 of both chambers from slates nominated by Country Guardians. Certifies invariants compliance, can initiate constitutional veto votes, and oversees emergency holds (tight time-locks).

G) People's "Prayer" System (global): AI-assisted intake (PoL-gated, proofs-not-data) aggregates grievances/ideas globally, prioritizes by frequency/severity, and formats them into public proposals for chambers. Device Companion AI → Central Atlas™ AI (privacy-preserving pipeline).

Voting, thresholds, time-locks

1) Ordinary changes: simple majorities in both chambers; 7-day public review; 7-day activation time-lock.

2) Budgetary changes (within bands): 3/5 in both chambers; 14-day review; 14-day time-lock.

3) Constitutional changes (not invariants): 2/3 in both chambers + global PoL referendum (simple majority and majority in $\geq 2/3$ of countries); 21-day review; 30-day time-lock; Triumvirate certification.

4) Emergency holds: Triumvirate may pause a feature for ≤ 7 days (one 7-day renewal with simple majorities of both chambers). Holds sunset unless ratified.

Eligibility, conflicts, removal

- Guardian conflicts: disclose funding/affiliations; cooling-off periods for government/corporate executive roles; violations cause suspension pending review.
- Decertification (Guardians): removal by 2/3 vote of national NGO College plus simple majority of adjacent-country NGO Colleges; ratified by Countries House simple majority.
- Chamber seat removal: 2/3 vote of seat's home-country caucus + simple majority in the opposite chamber.
- Public register (privacy-preserving): officeholders listed with verifiable credentials without publishing personal identifiers.

Jurisdiction non-compliance

- If a state violates invariants (privacy, non-coercion, harm rules), extras (event rails, organizer features, official flags, governance seats) can be withheld by joint chambers; civilians' UBI continues and NGO rails remain active.

PART III — ISSUANCE & ECONOMICS (CHANGEABLE WITHIN BANDS)

Epoch flow

Step 1: Pay UBI (COL-indexed floor; price-independent, adjusted for inflation).

Step 2: Allocate the fixed Variable Rewards Pool (VRP) by normalized, clipped scores.

Step 3: Route any Public Dividend from its ring-fenced pool.

Step 4: Publish privacy-preserving reports; next epoch.

Scoring (high-level math)

- Features: compute on-device per modality using standard measures:
 - Permutation Entropy $H_{\text{perm}} = -\sum p(\pi) \log p(\pi)$ over ordinal patterns π of length m .
 - Sample Entropy $\text{SampEn}(m,r,N) = -\ln(A/B)$, with matches within tolerance r at length m and $m+1$.
 - Lempel–Ziv Complexity LZ = count of new substrings in left-to-right parsing, normalized by sequence length.
 - Spectral Entropy $H_{\text{spec}} = -\sum P(f) \log P(f)$, where P is normalized power spectrum.
- Baseline-relative: per-user z-scores vs. their trailing window; clip to $[-z_{\text{max}}, z_{\text{max}}]$; negatives are floored at 0 for rewards.
- Collaboration synergy: small bonus via Jensen–Shannon divergence between joint pattern and independent baselines; capped.
- Safety filters: exclude windows overlapping verified harm contexts; organizer/attestor first-loss escrows.

Issuance math (illustrative)

- Let $\text{UBI}_t = \text{COL}_t \times k$ where k is a global multiplier chosen by governance; UBI paid first.
- $\text{VRP}_t = \text{constant per epoch (with slow schedule)}$. Each user i receives share $s_i = S_i / \sum_j S_j$, where S_i is user's normalized, clipped score with fairness weights.
- $\text{Payout}_{i,t} = \text{UBI}_t + \text{VRP}_t \times s_i$ (subject to event escrow, if applicable).
- Price independence: swaps to fund UBI use time-weighted execution; volume caps; small buffers so large buy-ins never spike payouts.

Public Dividend (entropy-linked, ring-fenced)

- Pool sources: donations, marketplace fees, forfeited organizer escrows (on verified harm/fraud), Foundation yields.
- Release: a capped, smoothed fraction funds in-kind public goods via Independent Attestors—never from UBI or VRP.

PART IV — PARTICIPATION & ELIGIBILITY

- Opt-in; revocable anytime.
- PoL & liveness: UBI requires PoL. Variable rewards require liveness (weekly human-in-the-loop challenge to unlock cash-out) and secure device attestation; background sensing augments PoL automatically.
- Minors & dependents: permitted via lawful guardianship; strict spending rails (food, housing, care, education); no data exposure beyond proofs. Guardians earn care-time proofs; minors' variable earnings can accrue in institutional rails until adulthood.
- Incarcerated persons: UBI continues. Variable rewards accrue only from certified education/therapy/rehab/service programs; may (where lawful) offset custody costs—never touching UBI.
- Non-coercion complaint path: report coercion; confirmed coercers lose extras and marks; individuals retain UBI.

PART V — PRIVACY & DATA POLICY

- On-device computation & deletion: raw signals never leave devices; proofs are tiny, unlinkable statements; deletion after proof.
- User control: local logs visible only to the user; export/share off by default.
- Aggregates only: public stats use differential privacy; parameter tuning relies on DP aggregates, never person-level data.
- No surveillance backdoors: no identity backdoors or escrowed keys in protocol or apps.
- Core Companion AI: performs local redaction and creates proofs; routes de-identified summaries to Central Atlas™ AI or certified add-ons only when jurisdiction is conforming.
- Central Atlas™ AI (cloud): processes de-identified summaries for governance analytics (e.g., Prayer System), parameter research, and public education; never receives raw identifiers.

PART VI — ATTESTATION, ORGANIZERS, CONFORMANCE

- Independent Attestors: accredited NGOs, universities, clinics, labs, venues; pass Conformance Test Suite and audits; disclose conflicts; violations → suspension and escrow clawbacks.

- Organizers (events, leagues, conferences): publish signed event windows and run co-presence + liveness checks. Participant bonuses are theirs if proofs are valid. Organizer bonuses sit in escrow and are forfeited to UBI reserve on verified harm/fraud.
- Atlas™-Ready™ marks: devices/apps display marks only if they pass conformance (secure attestation, on-device compute, deletion guarantees, safety).

PART VII — EVENTS & GATHERINGS

- Event Oracle: signed windows (start/stop, zones, capacity) with distance-bounding (UWB/BLE/NFC) and randomized liveness prompts.
- Multipliers (capped): apply only to verified attendance slices (rehearsals, matches, sessions). Passive idling does not qualify.
- Public safety: verified harm forfeits organizer escrow; participants keep valid earnings.
- Pulsatile issuance guardrail: organizer multipliers escrowed and released post-epoch if system stability metrics remain within bands; otherwise smoothed.

PART VIII — FLAGS & DENOMINATIONS

- Conformance & invariants: flags obey all invariants; fail → delisting of extras (never UBI).
- Alignment without diversion: a person's alignments may amplify those flags via capped synergy; personal earnings remain in Atlas™; flags cannot drain UBI or alter Atlas™ price.
- Multi-alignment allowed: people can align with multiple flags; synergy is correlation-clipped to avoid free energy.
- Merchant usability: flags may maintain local merchant networks; Atlas™ provides stable off-ramps.

PART IX — TRANSPARENCY, REPORTING, AUDIT

- Monthly: issuance, reward dispersion, entropy index tracks, event/organizer stats, harm redirects (DP-protected).
- Quarterly: security bulletins, incident reports, conformance updates.
- Annual: independent privacy/security audits; public Foundation letters.

- Parameter calendars: all parameter shifts are pre-announced with review windows and activation time-locks.

PART X — COMPLIANCE, SANCTIONS, REMEDIES

- Device/app non-conformance: warning → suspension → delisting of marks; user UBI unaffected.
- Attestor violations: suspension, escrow forfeiture, restitution for affected participants/projects, public notice.
- Organizer violations: escrow forfeiture; listing bans for repeated harm/fraud.
- Jurisdictional breaches: withhold beyond-core features (event rails, organizer features, official flags, seats) while preserving UBI and NGO rails.
- Appeals: time-bounded appeals via Country Guardians → Countries House; decisions published (DP-protected).

PART XI — CONTINUITY (DEATH, INACTIVITY, ESTATES)

- Inactivity reversion: no PoL for 5 years → balances move to Custodial Hold for 2 more years; absent a valid, pre-registered secret-heir claim, funds revert to UBI reserve.
- Secret-heir option: sealed heir commitment (hash-locked credential); claims prove entitlement without public identity.
- Loss/theft: recovery via user-chosen social recovery or hardware credentials; the protocol cannot reassign keys.

PART XII — AMENDMENTS (NON-INVARIANTS)

- Sources: People's Prayer System, Country Guardians, either chamber.
- Thresholds & locks: as in Governance; all proposals include privacy impact notes and invariants compliance certificates.
- Public review & time-locks: 7/14/21-day reviews; 7/14/30-day activation; emergency holds sunset unless ratified.

GLOSSARY (NORMATIVE)

Epoch: issuance period. COL: cost of living. PoL/PoID: Proof of Living / optional Proof of Identity. Proofs-not-data: verifiable statements that reveal validity without exposing raw signals. Conformance Test Suite: open tests an actor must pass to earn or to display Atlas™ marks. Independent Attestor: non-state, non-party verifier meeting standards. Organizer Escrow: first-loss pool posted by event organizers to cover harm/fraud. Atlas™ System Entropy Index: DP-protected system-health index. Flags/Denominations: conforming local/community/cause units on the Atlas™ chain that obey invariants.

Closing Article

This Charter binds Atlas™ to its purpose: a calm, humane floor for all; fair, bounded rewards for safe, life-affirming effort; privacy by design; and governance that moves slowly, transparently, and only with broad consent. Any module, marketplace, device, attestor, organizer, flag, or jurisdiction that interacts with Atlas™ must comply—because the interesting part is life, and money should hum in the background.