BOING — Initial Tokenomics (draft)

Status: planning draft for mainnet design and a future **incentivized testnet**.
Not an offer. Percentages marked **Proposed** are working numbers for discussion. Items marked **Undecided** need Nico + partner lock-in.
No TGE / mainnet launch date is asserted here.

Audience: founders, partners, operators writing rules pages. Everyday readers: BOING-TOKENOMICS-AND-INCENTIVIZED-TESTNET.md.

Cross-links: BOING-BLOCKCHAIN-DESIGN-PLAN.md § Tokenomics · BOING-NETWORK-WHITEPAPER.md · TESTNET.md Part 3 · crate `boing-tokenomics`.

1. Hard facts vs planning

Topic	Status	Notes
Public testnet chain id **6913**	**Fact**	Live; values are test-only
Mainnet chain id **6914**	**Planned**	Not live
Genesis / initial supply = **1,000,000,000** BOING (`INITIAL_SUPPLY`)	**Locked (BN-155)**	1B at genesis only — schedule base for emissions; **not** a minting ceiling
Supply ceiling after genesis	**Locked (BN-155): uncapped**	Block emissions continue past 1B under the declining schedule + floor; no hard-cap clamp (design plan)
Historical hard-cap clamp (`MAX_SUPPLY` / audit #61 item 40)	**Superseded**	Clamp removed from producer/validation; `MAX_SUPPLY` remains an alias of `INITIAL_SUPPLY` only
Incentivized testnet rewards program	**Not running**	Public testnet is open for soak; rewards are **not** live and do **not** create a mainnet claim
TGE / mainnet calendar date	**Undecided**	Do not invent one

Testnet ≠ mainnet claim

- Completing quests, running a node, reporting bugs, or registering in the Testnet Portal **does not** entitle anyone to mainnet BOING unless a **published incentivized-testnet rules page** says so and a rewards program is explicitly **live**.
- Testnet BOING has **no** cash value.
- Any future mainnet recognition for testnet work would be **capped**, paid from a reserved Community & Grants slice, and announced on official channels — never implied by faucet drips or leaderboard practice.

2. Initial supply allocation (mainnet genesis)

High-level buckets already published on the site and in docs (staking / treasury / community). This draft keeps that shape and adds founder/ops and community **sub-pots**.

Bucket	Share of initial supply	Status	Purpose
Staking / validator rewards reserve	**50%**	**Proposed** (was 55% on marketing charts)	Bootstrap security; topped up by ongoing block emissions (uncapped after genesis)
Protocol treasury	**20%**	**Proposed** (was 30%)	Audits, infra, contingency, governance-approved spend
Community & Grants	**15%**	**Proposed** (unchanged headline)	Quests/airdrop recognition, bug bounty, ecosystem grants, dApp incentives
Team & ops	**15%**	**Proposed**	Founders + early ops; see equal-split note below

Undecided: exact rounding if charts stay at 55 / 30 / 15 vs the 50 / 20 / 15 / 15 split above; whether Team is a separate genesis bucket or a **vested carve-out of Treasury**.

Team & ops (partner call)

Item	Status
Equal BOING allocation between Nico and partner at mainnet	**Proposed** (principle from partner call)
% of total supply for Team & ops	**Undecided** (15% above is a discussion starter)
Cliff / vesting schedule	**Undecided** — must be written before TGE messaging
Role titles (CSO / community / security)	**Undecided**

Community & Grants — proposed sub-pots (of the 15%)

Percentages below are **of total initial supply**, not of the 15% slice alone. Sum = 15%.

Sub-pot	Share of initial supply	Status	Notes
Incentivized testnet / quest / airdrop recognition	**6%**	**Proposed**	Caps eligibility; only if/when a rewards program is live
Bug bounty	**3%**	**Proposed**	Security research + critical protocol/app bugs
Ecosystem grants & successful dApps	**6%**	**Proposed**	Includes per-dApp epoch caps from design plan

Undecided: exact sub-pot sizes; whether unused quest pot rolls to treasury or stays reserved; NFT vs liquid BOING for recognition.

3. Emissions (block rewards)

Aligned with design plan + `boing-tokenomics` (decline toward a low floor; fee-dominant maturity).

Epoch	Annual inflation (illustrative)	Status
Year 1	~8%	**Proposed**
Year 2	~6%	**Proposed**
Year 3–5	~4.5% → ~2.5%	**Proposed**
Year 6–10	~2% → ~1.5%	**Proposed**
Year 10+	**1% floor** or **0%** if fees suffice	**Proposed**

Formula sketch: `emission_year_n = emission_year_1 × (decay)^(n−1)` with `decay ≈ 0.85`. Emission to round **proposer** remains independent of the tx-fee split (`BLOCK_EMISSION_PROPOSER_BPS`). Minting **continues past 1B** (uncapped after genesis); `INITIAL_SUPPLY` is only the genesis amount and the % base for the emission schedule.

Undecided: year-1 absolute BOING/block at mainnet genesis; whether floor is 1% or fee-triggered 0%.

FAQ — Why uncapped max supply? (BN-155)

Uncapped ≠ free print. Genesis is fixed at **1B BOING** (`INITIAL_SUPPLY`). Growth after genesis is only via the documented declining emission schedule (Proposed: ~~8% Y1 of the 1B base → ~1% floor; shipping code ~70% proposer share of each block emission). Under that sketch, circulating supply is order-of-magnitude **~~1.3B by Year 10**—markets price circulating + inflation path, not a marketing max.

Technical rationale (lead with this in public copy):

1. **Security budget** — Hard caps can starve long-run validator incentives when fees stay intentionally low (Boing prefers Solana-like small base gas). Ongoing, decaying emissions keep a predictable security subsidy until fee revenue can dominate.
2. **Avoid crisis hard-forks** — Raising a hard cap later is usually a messy, contentious fork. Publishing an open emission schedule up front is more honest than pretending a ceiling that later must be broken.
3. **Emission discipline** — Uncapped is not discretionary minting; parameters are documented (and intended to be on-chain / governance-visible). Flexibility for long-horizon security exists *because* the schedule is open, not because supply can be printed ad hoc.

4. Fee split

Model	Validators / proposer	Treasury	Burn	Status
Design target (maturity)	**80%**	**20%**	**0%** (optional 0–5%)	**Proposed**
Current public testnet runtime	Protocol gas **0%** (100% treasury); tips **100% proposer**; block emission to proposer	**100%** of protocol gas	**0%**	**Fact**

See OPTIONAL-PRIORITY-FEES.md. Micro fee target (~0.00021 BOING/transfer at recommended BPS) is product preference, not a TGE claim.

Undecided: when (if ever) mainnet moves from treasury-default gas to the 80/20 design target; tip BPS bounds.

5. Incentivized testnet framing

Item	Status
Public testnet open for users / devs / operators	**Fact** (chain **6913**)
Rewards program live	**No** — not currently running
Path: soak → publish rules → short Phase 1 (2–4 weeks) → capped recognition from Community pot	**Proposed** process
Duration of first program	**Proposed** 2–4 weeks (TESTNET.md Part 3)
Start/end calendar dates	**Undecided** — fill only when announcing
Mainnet claim from testnet activity alone	**Rejected** — requires live rules + explicit eligibility

Role sketch (when a program is live)

Role	Primary testnet activity	Optional mainnet link (capped)
Users	Faucet, Express, Finance, Observer quests, feedback	From quest/airdrop sub-pot
Developers	Deploy, register dApp, bug reports	Grants / bounty eligibility
Operators	Run node, uptime, leaderboard practice	Small allocation or NFT for top N

Full ops checklist: TESTNET.md Part 3. Portal: boing.network/testnet.

6. Honest network limits (today)

Do not contradict these in tokenomics marketing:

- Single hosted public validator path (`boing-testnet-1`); not multi-region HA
- Independent audits unfinished
- PutBlob consensus cap 256 MiB ≠ practical public-gateway body size
- Governance / some opcodes still height- or env-gated

7. Open decisions for Nico (+ partner)

1. Lock **55/30/15** marketing pie vs **50/20/15/15** (with Team) for genesis.
2. Team **%**, **equal split**, **cliff/vesting** — write before any TGE talk.
3. Community sub-pot sizes (quest **6%** / bounty **3%** / grants **6%**) — accept, adjust, or defer.
4. Fee path: keep treasury-default gas on mainnet day one, or schedule move to 80/20.
5. Whether first incentivized testnet is announced only after **≥2 validators** (partner-call soak priority) or can run on honest single-validator framing.
6. Bug-bounty intake (GitHub Security Advisories vs email) and severity table.
7. Rules page URL and claim language legal review before “rewards live” flip.

8. Document map

Doc	Role
This file	Allocation / emissions / fees / pots — Proposed vs Undecided
BOING-TOKENOMICS-AND-INCENTIVIZED-TESTNET.md	Plain-language companion (+ PDF)
BOING-BLOCKCHAIN-DESIGN-PLAN.md	Long-form design + sustainability
BOING-NETWORK-WHITEPAPER.md	Protocol + product; no invented launch date
TESTNET.md Part 3	Incentivized program ops design
`crates/boing-tokenomics`	Implemented emission / fee / `INITIAL_SUPPLY` constants (uncapped after genesis)

Draft only — update when decisions lock. No rewards offer is made by this document.