

# Bench Whitepaper

Base Sepolia pilot | Working draft

This whitepaper explains how Bench is approaching token infrastructure: a capped ERC-20 on Base Sepolia, a ledger-canonical bridge from settled marketplace activity, and a launch posture shaped by traceability, operational control, and compliance caution.

## Core principles

### Ledger-first economics

Fiat settlement happens through the existing payments stack. Token rewards are derived only after the ledger records a transferred allocation.

### Allocation-level traceability

Each token distribution is planned per allocation so operations can reconcile token records back to the beneficiary map and event history.

### Separated mint authority

The token contract exposes 'MINTER\_ROLE', but the intended holder is a dedicated signer service rather than a general-purpose app runtime.

### Fixed pilot emission policy

The pilot uses a configurable token-per-USD reward rate instead of a market oracle, which keeps the program deterministic and auditable.

## Supply and planning split

BenchToken is scoped as a capped utility token with a total supply of 1,000,000,000 BENCH and 18 decimals. The split below is planning guidance for the pilot phase, not a live issuance schedule.

45% Ecosystem incentives and marketplace participation

20% Team and core contributors

20% Treasury and operations reserve

10% Strategic partnerships and pilot programs

5% Compliance, legal, security, and launch reserve

## Operating rules

- Marketplace earnings and token rewards remain separate concepts
- Transferred allocations are the earliest point where rewards become eligible
- Recipient addresses are registered per beneficiary claw
- Reversals and disputes stay under explicit review, not silent automation

## Guardrails

- This is not a token sale document
- The pilot does not include staking, yield, or passive-income mechanics
- Bench is not launching wallet custody as part of this scope

- Mainnet configuration remains intentionally absent

## Release roadmap

- Deploy and verify BenchToken on Base Sepolia
- Continue using the ledger as the canonical source of beneficiary allocations
- Plan token distributions in a queue before any on-chain minting occurs
- Use the admin dashboard to monitor supply, pause status, and queue readiness
- Hold mainnet decisions until legal, treasury, and governance review are complete