

Whitepaper Tokenomics (detailed)

1) Overview

Ticker: ROC

Network: BNB Smart Chain (BEP-20)

Decimals: 18

Transfer Taxes/Fees: 0%

Role: Community token for Road Owners Club membership, perks, and rewards.

Sales/Offering: No ICO/IEO. Distribution is usage-based and community-driven.

2) Supply Model & Circulating Supply

Model: Mintable (uncapped) to support long-term membership growth and club utility.

Circulating Supply (CS):

CS

=

Total Minted

–

Total Burned

–

Time-locked/Non-circulating Treasury

CS=Total Minted–Total Burned–Time-locked/Non-circulating Treasury

Genesis: Optional initial mint (e.g., 0–1,000,000 ROC) to Treasury for bootstrapping; otherwise mint-on-demand only.

3) Minting — Authorities, Rules, and Transparency

Minter: Treasury multisig (2-of-3) is the sole minter. No EOAs other than multisig may mint.

Destination: All newly minted tokens must be sent to Treasury first.

Use of Proceeds (Treasury → Outflows):

Member Airdrop: 500 ROC per verified member (mint-on-demand).

Rewards/Perks: Event prizes, engagement incentives, community campaigns.

(Future) Liquidity: Only if/when public trading is enabled, and subject to a separate community notice.

Rate-Limit (Anti-Inflation Guardrail):

New Mints in any rolling 12-month window

≤

10

%

×

CS at window start

New Mints in any rolling 12-month window ≤ 10% × CS at window start

(Example: If CS = 1,000,000 ROC on Jan 1, the total newly minted amount between Jan 1 and Dec 31 should be $\leq 100,000$ ROC.)

Change Management: Any policy change (e.g., rate-limit) must be publicly announced and enacted only after a 7-day cooldown.

Transparency: Publish txid + quantities for each mint; maintain a public ledger on the website/GitHub.

4) Burning — Mechanics and Policy

Mechanics:

Contract Burn: If the contract exposes `burn(amount)` / `burnFrom(address, amount)`, holders/Treasury can destroy tokens directly.

Proof-of-Burn Address: When contract burn isn't used, send to `0x00000000000000000000000000000000dEaD`.

Policy Objective: Offset inflation from new mints and maintain a slight deflationary drift over the long term.

Target Burn Rate: Treasury aims to burn $\approx 10\%$ of net new annual mints (measured over the same 12-month window).

Annual Burn Target

\approx

10

%

\times

(New Mints over 12 months)

Annual Burn Target $\approx 10\% \times$ (New Mints over 12 months)

Triggers for Additional Burns:

Surplus Treasury balances not earmarked for utility.

Milestone/celebration events.

Reporting: Burn txids and cumulative burned total published on website/GitHub.

5) Allocations & Flows (Non-price, Utility-only)

To preserve flexibility and avoid over-promising, v2 uses policy-based flows rather than fixed percentages at $T=0$:

Member Airdrop (mint-on-demand): 500 ROC per approved member.

Rewards & Events: On-demand grants for community activity.

Treasury (time-locked portions): Operational needs with vesting/time locks where relevant.

(Future) Liquidity: 0% initially; may be introduced later with a public notice and separate policy.

Note: No allocations are sold to the public. No team unlocks tied to price/volume. All flows are utility-driven.

6) Governance & Safety

Multisig: All mint/burn/treasury moves require 2-of-3 approvals.

Timelock (recommended): 24–48h timelock on mint function to allow public monitoring before execution.

No Trading Taxes: 0% to reduce attack surface and friction.

Renouncing/Freezing Privileges:

If the community later prefers a fixed-supply regime, minter rights can be revoked/renounced after a vote, and future growth handled via non-mint sinks (e.g., rewards from existing Treasury only).

Audit/Verification: Source verification on BscScan; optional third-party audit when stable.

7) Worked Example (illustrative)

Start CS = 0.

Month 1: 1,000 members onboard → Mint 500,000 ROC to Treasury → distribute per policy.

Annual cap (10% of CS) is initially small; as CS grows, mint headroom grows proportionally.

Treasury burns 10% of net new mints within the year → target burn = 50,000 ROC if 500,000 ROC new mints.

Net effect: predictable growth with a slight deflationary drift via scheduled burns.

8) Disclaimers

ROC Coin is a community utility token. It is not an investment and offers no expectation of profit. No ICO/IEO. Participation should comply with appl