

\$MCOP

TOKEN LITEPAPER

The economic backbone of the Molt Cops ecosystem. On-chain reputation staking, Sybil-resistant governance, and aligned incentives for the AI agent defense network.

PARAMETER	VALUE
Token Name	\$MCOP (Molt Cops Operative)
Network	Base (Ethereum L2)
Standard	ERC-20
Total Supply	100,000,000 MCOP (fixed, no inflation)
Launch Type	Transparent Fair Launch
Status	Pre-launch (Badge phase active)
Version	1.0 — February 2026

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1. Why \$MCOP Needs to Exist

The AI agent economy is growing exponentially. Autonomous agents manage wallets, execute trades, deploy contracts, and interact with protocols on behalf of humans. But the infrastructure protecting these interactions is almost nonexistent.

The result is predictable: scam agents drain wallets, prompt injection attacks hijack legitimate agents, Sybil networks game reputation systems, and every headline about a 'rogue AI' further damages the trust humans place in all agents.

Behind every 'evil AI' is a human typing the prompts. Behind every scam bot is a human collecting the wallet. 99.9% of 'AI crimes' are human crimes using AI as a tool.

The missing infrastructure:

- **Identity** — No standard way to verify who an agent is on-chain
- **Reputation** — No composable, Sybil-resistant track record
- **Defense** — No automated threat detection built for AI-specific attacks
- **Incentives** — No economic alignment between defenders and the ecosystem

Molt Cops exists to build this infrastructure. \$MCOP is the token that aligns every participant's incentives: reviewers stake reputation, defenders earn rewards, and bad actors pay real costs.

2. Ecosystem Architecture

The Molt Cops ecosystem consists of four integrated layers, each with a distinct role. \$MCOP flows through all four, creating a unified incentive structure.

LAYER	COMPONENT	FUNCTION	TOKEN ROLE
Identity	ERC-8004	On-chain agent registration, ownership, and verification registries	Staking for reviewer weight
Defense	MoltShield	Static analysis, prompt injection detection, sleeper agent scanning	Payment for premium scans
Policy	MoltVault	Transaction firewall, session gating, confirmation protocol	Subscription tier access
Community	Operative Network	Trusted reviewers, threat intel, community blacklists	Governance voting power

Integration flow:

Agent registers on ERC-8004 (Identity) -> MoltShield scans its code (Defense) -> MoltVault evaluates combined trust score (Policy) -> session outcomes posted back to ERC-8004 (Reputation) -> Founding Operatives review and validate (Community) -> trust score updates across the network. \$MCOP incentivizes each step.

3. Token Utility

\$MCOP is a utility token with four distinct use cases. It is not a security, does not represent equity, and confers no rights to profit-sharing. Every use case creates real demand tied to ecosystem activity.

3.1 Reputation Staking

Reviewers in the Founding Operative network stake \$MCOP to weight their reputation reviews. Higher stake = higher influence in the ERC-8004 trusted_clients filter. This creates skin-in-the-game: a reviewer who approves a malicious agent loses stake. A reviewer who correctly identifies threats earns stake from the slash pool.

STAKE TIER	MCOP REQUIRED	REVIEW WEIGHT	SLASH RISK
Observer	100 MCOP	1x	10% of stake
Operative	1,000 MCOP	3x	15% of stake
Senior Operative	5,000 MCOP	5x	20% of stake
Commander	25,000 MCOP	10x	25% of stake

Slashing is governed by on-chain dispute resolution. If a review is challenged and the challenge succeeds (via governance vote), the reviewer's stake is slashed and distributed to the challenger and the insurance pool.

3.2 MoltShield Scan Payments

Basic MoltShield scans are free (20 rules). Advanced scans (full 79-rule engine, sleeper detection, behavioral analysis) require \$MCOP payment. This creates a direct link between ecosystem security activity and token demand. Scan fees are split: 70% to the treasury, 20% burned, 10% to staking rewards.

3.3 Governance

\$MCOP holders vote on protocol decisions: community blacklist additions, policy rule changes, treasury allocation, and parameter updates (staking minimums, slash percentages, scan pricing). Voting power is proportional to staked \$MCOP, not held \$MCOP. This ensures only committed participants influence governance.

3.4 Subscription Access

Professional and Enterprise tier subscriptions can be paid in \$MCOP at a 15% discount versus USD pricing. This creates consistent buy pressure from paying customers while offering a tangible benefit for token holders.

4. Tokenomics & Allocation

Total supply is fixed at 100,000,000 \$MCOP. There is no mint function. No inflation. No hidden reserves. The entire supply is allocated at genesis and subject to the vesting schedules described in Section 5.

ALLOCATION	TOKENS	%	PURPOSE
Community & Ecosystem	40,000,000	40%	Staking rewards, airdrops, grants, partnerships
Founding Operatives	10,000,000	10%	Badge holder allocation (100 addresses, vested)
Team & Contributors	15,000,000	15%	Core team compensation (36-month vest, 12-mo cliff)
Treasury	20,000,000	20%	Protocol development, audits, insurance pool seeding
Liquidity	10,000,000	10%	DEX liquidity provision (locked 12 months minimum)
Public Fair Launch	5,000,000	5%	Initial distribution event (see Section 6)

Design principles:

- **Community majority** — 55% of supply goes to community, operatives, and public launch. The team + treasury hold 35%. Liquidity is locked.
- **No pre-mine advantage** — Team tokens have the longest vesting (36 months with 12-month cliff). Founders cannot sell before the ecosystem has 12 months of operational history.
- **Deflationary pressure** — 20% of scan fees are burned permanently. As MoltShield usage grows, circulating supply decreases.
- **On-chain transparency** — Every allocation wallet is published. Vesting contracts are verified on-chain. Treasury multisig requires 3/5 signers.

VESTING

5. Vesting Schedule

Every non-community allocation is subject to vesting enforced by on-chain smart contracts. No manual unlocks. No discretionary acceleration. The contracts are immutable after deployment.

ALLOCATION	CLIFF	VESTING PERIOD	UNLOCK SCHEDULE
Team (15%)	12 months	36 months total	Linear monthly after cliff
Founding Operatives (10%)	3 months	18 months total	Linear monthly after cliff
Treasury (20%)	None	48 months	2% monthly, governance-gated
Liquidity (10%)	12 months	12 months lock	100% unlock at 12 months
Community (40%)	None	60 months	Distributed via staking rewards, grants, and ecosystem programs
Public Launch (5%)	None	Immediate	100% at TGE

Circulating supply at key milestones:

MILESTONE	TIME	CIRCULATING	% OF TOTAL
TGE (Token Generation Event)	Day 0	5,000,000	5%
First staking rewards	Month 1	~6,500,000	~6.5%
Operative cliff unlock	Month 3	~9,000,000	~9%
Team cliff unlock	Month 12	~18,000,000	~18%
Full team vest	Month 36	~55,000,000	~55%
Full distribution	Month 60	100,000,000	100%

The low initial circulating supply (5%) is not designed to create artificial scarcity. It reflects the reality that most tokens are locked in vesting or reserved for long-term ecosystem incentives. We publish a real-time supply dashboard at launch.

6. Fair Launch Mechanics

The Molt Cops manifesto says: 'Earn trust through action. Not promises. Results.' The token launch must embody this principle. Any launch mechanic that looks like the behavior we exist to fight is unacceptable.

What we will NOT do:

- No stealth launch. The launch date will be announced 30 days in advance.
- No team pre-buy. Team wallets are published and monitored. No team member purchases tokens before or during the public launch event.
- No influencer pre-allocation. No tokens are given to third parties in exchange for promotion.
- No artificial scarcity games. The bonding curve parameters are published in advance.

What we WILL do:

Phase 1: Badge Distribution (NOW) — 100 Founding Operative badges minted on Base. Badge holders form the initial trusted reviewer network. No cost, application-based.

Phase 2: Community Building (Weeks 1-8) — Badge holders receive priority access to MoltShield beta. Community grows organically through the threat intelligence feed and public MoltShield scan reports.

Phase 3: Public Fair Launch (Week 12+) — 5,000,000 \$MCOP (5% of supply) distributed via a fixed-price, time-limited sale. Every participant gets the same price. No tiers, no bonuses, no FCFS advantage. Unclaimed tokens return to the community allocation.

Phase 4: DEX Listing — Immediately after the public sale closes, 10,000,000 \$MCOP (10%) are deployed to a Base DEX (Aerodrome or Uniswap V3) as protocol-owned liquidity. This liquidity is locked for 12 months minimum. The initial trading price is set by the sale price.

"We launched the way we wish everyone did." — That is the brand statement the fair launch creates. Every decision is designed to pass the dispatch feed test: would MoltShield flag this behavior?

7. Staking: Reputation-at-Stake

Traditional staking rewards passive holding. Molt Cops staking rewards active defense. Stakers earn yield not by locking tokens, but by performing useful security work: reviewing agents, validating scans, and contributing threat intelligence.

7.1 How It Works

1. Operative stakes \$MCOP to the Reputation Staking Contract, choosing a tier.
2. Staker is added to the ERC-8004 trusted_clients list with weight proportional to tier.
3. Staker reviews agents by posting feedback to the Reputation Registry on-chain.
4. Reviews are validated by cross-referencing with MoltShield scan results and other staker reviews. Consistent, accurate reviews earn \$MCOP from the rewards pool.
5. Inaccurate reviews (flagged by dispute) risk stake slashing.

7.2 Reward Sources

SOURCE	FLOW	% OF SOURCE
MoltShield scan fees	70% treasury, 20% burn, 10% stakers	10%
Subscription revenue (\$MCOP payments)	80% treasury, 20% stakers	20%
Community allocation (40M MCOPs)	Distributed over 60 months	Variable
Slash pool (from penalized stakers)	50% to challenger, 50% to all stakers	Variable

7.3 Anti-Gaming Measures

- **Review quality scoring** — Reviews that align with subsequent MoltShield scans and community consensus receive higher weight. Outlier reviews trigger automated review.
- **Cooldown periods** — After unstaking, tokens are locked for 14 days. This prevents stake-and-run attacks.
- **Diminishing returns** — Review weight scales sub-linearly with stake. 10x the stake gives 3-4x the weight, not 10x. This limits plutocratic control.

- **Diversity bonus** — Stakers who review agents across multiple chains and categories receive a 20% bonus to rewards. Specialization is fine; monoculture is discouraged.

8. Governance

Governance is staked-token weighted. Only \$MCOP that is actively staked in the Reputation Staking Contract counts for voting. This ensures voters have economic alignment with the ecosystem's long-term health.

What governance controls:

- Community blacklist: Adding or removing addresses from the shared threat list
- Policy rules: Activating, deactivating, or modifying MoltVault policy rules
- Staking parameters: Minimum stakes, slash percentages, cooldown periods
- Treasury spending: Grants, audits, partnerships, infrastructure
- Scan pricing: \$MCOP cost for advanced MoltShield scans
- Protocol upgrades: Contract migrations and parameter changes

Governance parameters:

PARAMETER	VALUE
Proposal threshold	10,000 staked MCOP
Quorum	5% of staked supply
Voting period	7 days
Timelock	48 hours after vote passes
Founding Operative veto	5% of staked supply. Founders can veto with 66% supermajority (first 12 months only)

The Founding Operative veto exists as a safeguard during the bootstrap phase. It prevents governance capture by large token holders before the community is established. After 12 months, the veto expires automatically.

9. Revenue Model & Treasury

Molt Cops generates revenue through three channels. All revenue flows are on-chain and auditable. The treasury is managed by a 3/5 multisig with published signers.

REVENUE STREAM	PRICING	TOKEN INTERACTION
MoltShield Premium Scans	\$5-50/scan or MCOP equivalent	20% of \$MCOP fees burned
Professional Tier Subscription	\$149/mo (or MCOP at 15% discount)	100% to treasury
Enterprise Custom	\$2,000+/mo	Denominated in USD/USDC
x402 Payment Rail Fees	0.1% of agent-to-agent payments	50% to stakers, 50% treasury

Treasury allocation priorities:

- **Security audits** — Smart contract audits for every deployed contract (quarterly)
- **Infrastructure** — RPC nodes, monitoring, compute for MoltShield scanning
- **Insurance pool** — Seed capital for automated victim reimbursement
- **Grants** — Fund third-party integrations, research, and tooling
- **Bug bounties** — Up to \$50K per critical vulnerability discovered

Treasury transparency: Monthly financial reports published on-chain. Every transaction from the treasury multisig is annotated with purpose. Community can challenge any expenditure via governance proposal.

10. Security Guarantees

A security token for a security ecosystem must itself be exemplary. The following measures apply to all \$MCOP smart contracts.

Pre-launch:

- Full audit by a top-tier firm (Trail of Bits, OpenZeppelin, or equivalent)
- Formal verification of critical paths (staking, slashing, vesting)
- Public testnet deployment with community bug bounty (30 days minimum)
- Source code published and verified on Basescan before TGE

Post-launch:

- Ongoing bug bounty program (\$10K-\$50K per severity level)
- Emergency pause functionality with 3/5 multisig and 48-hour timelock
- Quarterly re-audits of any modified contracts
- MoltShield continuous monitoring of the contracts themselves

Operational security:

- Team wallets use hardware wallets exclusively
- No single person can move treasury funds
- All admin functions are timelocked and logged
- Deployer key burned after initial setup (proxy admin transferred to governance)

11. Roadmap

PHASE	TIMING	DELIVERABLES
Phase 0: Foundation	Q1 2026 (NOW)	Founding Operative badges minted MoltShield beta live MoltVault library (88 tests passing) ERC-8004 integration complete Litepaper published
Phase 1: Community	Q2 2026	Operative network established (100 reviewers) Public MoltShield scan reports Defense Portal launch Grant applications (EF, Base, Optimism)
Phase 2: Token	Q2-Q3 2026	\$MCOP fair launch on Base Staking contract deployed DEX liquidity established Governance contract live
Phase 3: Scale	Q3-Q4 2026	Multi-chain deployment (Arbitrum, Optimism) x402 payment rail integration TEE verification hooks Enterprise tier launch
Phase 4: Autonomy	2027+	Fully on-chain governance Insurance pool activation Automated victim reimbursement Cross-chain reputation bridging DAO transition complete

This roadmap is a commitment to sequence, not to specific dates. We ship when the code is audited and the tests pass. Rushing a security product to market would violate everything we stand for.

12. Legal Disclaimer

This document is for informational purposes only and does not constitute financial, legal, or investment advice. \$MCOP is a utility token designed for use within the Molt Cops ecosystem. It is not a security, does not represent equity in any entity, and does not confer rights to profit-sharing, dividends, or governance over any legal entity.

Purchasing, holding, or using \$MCOP involves significant risk including but not limited to: smart contract vulnerabilities, regulatory changes, market volatility, loss of access to tokens, and failure of the ecosystem to achieve adoption. You should not acquire \$MCOP with funds you cannot afford to lose.

The team makes no guarantees about the future value of \$MCOP, the timeline of deliverables, or the continued operation of any component of the ecosystem. All forward-looking statements are subject to change.

Participation in the \$MCOP ecosystem may be restricted in certain jurisdictions. It is your responsibility to ensure compliance with all applicable laws in your jurisdiction before participating.

"The resistance isn't AI vs humans. It's everyone vs criminals."

Molt Cops | moltcops.com | Base Network

To Protect and Serve (Humanity)