MONTREVANE

MTVRN Technical and Risk Paper

OP Mainnet ERC-20 - Fixed initial supply - Public on-chain disclosure

Version 0.1-en-draft - Status date 2026-07-14

Contract 0x4D896f082257537147F5C7663f5A202Fca111F6e

This is a public technical and risk disclosure draft. It is not investment advice, a fundraising offer, a sale document, a promise of returns or a legal opinion. MTVRN is not a stablecoin and has no reserve, price peg, principal protection or fixed-return mechanism. A cryptoasset may fluctuate sharply or lose all value.

This document describes the current technical design, on-chain state, governance controls, limitations, and risks of Montrevane (MTVRN). It is provided for information only. It is not investment advice, a prospectus, an offer to sell, a solicitation to buy, a fundraising document, a promise of returns, or a legal opinion. MTVRN is not a stablecoin. It has no asset reserve, redemption right, price peg, principal-protection mechanism, fixed yield, guaranteed buyback, or guaranteed exchange listing. Cryptoassets may be highly volatile and may lose all value. There is currently no approved public sale, private placement, subscription program, airdrop, token price, fundraising target, or purchaser entitlement.

1. Executive Summary

Montrevane is an ERC-20 token deployed on OP Mainnet. Its contract created a one-time initial supply of 100,000,000 MTVRN. The token contract has no owner or administrator, no later minting function, no transfer tax, no blacklist, no pause function, and no upgrade proxy. Token holders may voluntarily burn tokens, so total supply can remain unchanged or decrease, but cannot be increased through the deployed contract.

A small Uniswap V3 WETH/MTVRN pool has been created. The initial position contains only 0.004 ETH and 64,997.813996008264781317 MTVRN. This is extremely small liquidity and should not be treated as meaningful market depth, price discovery, valuation, or evidence of market demand.

Approximately 99.935% of the initial supply remains in one Treasury Safe. That Safe uses a 2-of-3 signature threshold, but Treasury governance remains centralized: there is no token-voting system, DAO, or independently enforced community governance. A multisignature threshold reduces single-key risk but does not eliminate supply concentration, signer coordination, device, custody, or governance risk.

The Uniswap V3 LP NFT is held by the Treasury Safe and is not locked. The Safe may adjust or remove liquidity in accordance with Uniswap rules. Montrevane must not be described as having locked liquidity.

The token currently has no enabled governance, staking, yield, lending, revenue-sharing, dividend, redemption, or protocol-access utility. Current functionality is limited to standard ERC-20 operations, voluntary burning, EIP-2612 permit approvals, and the ability to trade against the very small Uniswap V3 pool.

Before any material distribution, fundraising, or exchange application, the project still requires, among other things:

- A disclosed legal entity, responsible persons, contributor roles, and KYB information.
- Independent smart-contract and security review.
- Applicable legal, tax, AML/KYC, consumer-protection, marketing, and privacy review.
- Approved beneficiaries and on-chain vesting or timelock implementation.
- Stronger signer-device separation and recovery testing.
- A live product or demonstrable token utility.
- Sustainable, organic liquidity and market activity without wash trading or fabricated volume.

2. Current Scope and Utility

Functions available today

MTVRN currently supports:

- Standard ERC-20 transfers.
- ERC-20 allowances and delegated transfers.
- Voluntary burning through ERC20Burnable.
- EIP-2612 signed allowance approvals through ERC20Permit.
- On-chain exchange through the existing Uniswap V3 WETH/MTVRN pool.

EIP-2612 permit does not make subsequent token transactions free. A party submitting a transaction must still pay the applicable network fee.

Functions not currently enabled

MTVRN does not currently provide:

- Token-based governance or voting.
- Staking or delegated staking.
- Yield, interest, rewards, or revenue sharing.
- Dividends, profit participation, or ownership in a legal entity.
- Lending, borrowing, or collateral services.
- Redemption for fiat currency, commodities, products, or reserves.
- Automated buybacks or price support.
- A live token-gated application.
- A live protocol fee or utility mechanism.

A read-only Treasury and Liquidity Transparency Hub has been proposed as a product direction, but it does not currently constitute enabled MTVRN utility. Any future function remains a proposal until it is developed, tested, legally reviewed where required, deployed, and publicly verified.

Possession of MTVRN does not currently create any contractual claim against the project, Treasury, contributors, website operator, or any legal entity.

3. Verified Deployment and Contract Specifications

Item	Verified information
Network	OP Mainnet
Chain ID	10
Token name	Montrevane
Symbol	MTVRN
Decimals	18
Token contract	0x4D896f082257537147F5C7663f5A202Fca111F6e
One-time initial supply	100,000,000 MTVRN
Deployment transaction	0xefe1066dc25fefc770a2ede580683b81c277d8628efa8f8efc8e45770f260659
Deployment block	154158695
Solidity version	0.8.24
OpenZeppelin Contracts	v5.6.1
Extensions	ERC20Burnable, EIP-2612 ERC20Permit
Deployment architecture	Non-proxy and non-upgradeable
Contract administrator	None
Later minting	None
Transfer tax	None
Pause function	None
Blacklist function	None
Source verification	Sourcify creation and runtime matches; match ID 41520092

Sourcify matching indicates that published source code reproduces the deployed creation and runtime bytecode. Source-code verification is not an independent security audit and does not establish that the token, Treasury, integrations, interfaces, wallets, or market are free of risk.

Only the OP Mainnet address identified above represents the mainnet MTVRN deployment described by this document. OP Sepolia was used for testing, but test-network assets are not MTVRN mainnet assets and have no relationship to mainnet market value.

4. Supply and Current On-Chain Holdings

The following figures reflect the recorded state after creation of the initial liquidity position. They are not evidence of completed allocation, vesting, locking, or market circulation.

Location	Amount	Approximate share of initial supply
One-time initial issuance	100,000,000 MTVRN	100%
Uniswap V3 pool position	64,997.813996008264781317 MTVRN	0.064997814%
Treasury Safe	99,935,002.186003991735218683 MTVRN	99.935002186%
Deployed contributor or community vesting	0 MTVRN	0%

The complete initial supply was initially delivered to the Treasury Safe. Tokens described in planning documents as Treasury, ecosystem, contributor, grant, liquidity, or future community allocations have not been separated into independent wallets or funded vesting or timelock contracts.

Accordingly:

- Treasury-held tokens must not be described as distributed.
- Planning allocations must not be described as locked.
- A precise circulating supply should not be asserted without a defined methodology and verifiable address treatment.
- Tokens in the Uniswap position should not automatically be equated with permanent circulation because the LP NFT remains controlled by the Treasury Safe.
- Any future voluntary burn would reduce total supply, but fixed initial issuance does not itself create demand or value.

5. Tokenomics Planning Framework

Tokenomics version 0.2-approved-for-planning, dated 2026-07-13, establishes internal planning caps and control principles only.

It does not authorize any transfer, sale, fundraising, airdrop, beneficiary allocation, vesting funding, liquidity change, or public distribution. The proposed vesting schedules are not currently enforced on-chain.

Proposed purpose	Planning cap	Percentage cap	Planning principle
Long-term Treasury and protocol reserve	50,000,000 MTVRN	50%	No automatic release; public budget and 2-of-3 approval
Ecosystem and community programs	20,000,000 MTVRN	20%	At least 48 months; no more than 5,000,000 per 12 months
Liquidity and market structure	10,000,000 MTVRN	10%	Current pool included; disclose every material LP change
Core contributors	10,000,000 MTVRN	10%	Proposed 12-month cliff plus 36-month linear vesting
Grants, partnerships, and advisers	5,000,000 MTVRN	5%	Milestones; advisers proposed at 6-month cliff plus 30 months
Future community or public distribution	5,000,000 MTVRN	5%	Legal review first; if approved, at least 24 months
Total planning caps	100,000,000 MTVRN	100%	

These categories are maximum planning limits, not entitlements or required issuance amounts. All unused amounts remain commingled in the Treasury Safe.

The current pool amount is intended to count toward the liquidity and market-structure planning cap. Under the planning model, the remaining nominal amount within that category is:

9,935,002.186003991735218683 MTVRN

This remains only an accounting label. It is not isolated, vested, locked, or approved for transfer.

No category should be described as allocated or locked until the relevant amount is transferred to a disclosed wallet or reviewed vesting or timelock contract under a separately approved 2-of-3 Safe transaction.

6. Initial Liquidity

Item	On-chain information
Protocol	Uniswap V3
Pair	WETH/MTVRN
Pool	0xB0eF76Dc8F828714C11C6AC87a017b69c808df76
Fee tier	1%
Range	Full range
Initial deposit	0.004 ETH and 64,997.813996008264781317 MTVRN
Interface-configured initial ratio	1 WETH = 16,250,000 MTVRN
Pool-creation transaction	0x9aa122e35fae84858b837b4d88c6faf46debfa5aa1902ce03363acdb70e57c65
LP NFT	Uniswap V3 position #1113672
LP NFT holder	Treasury Safe

The initial liquidity is extremely small. Even a small trade may cause substantial price impact, slippage, execution failure, or an apparent price movement that does not represent a reliable market price.

The interface-configured initial ratio is not a valuation, fair-market-price determination, market-capitalization basis, price target, commitment to support that ratio, or evidence of demand or sustainable liquidity.

The LP NFT is not locked. It is controlled by the Treasury Safe and may be adjusted or removed through a valid Safe transaction. Until a verifiable time-lock mechanism is deployed and funded, Montrevane must not claim that liquidity is locked.

Liquidity providers are exposed to impermanent loss, smart-contract risk, OP Mainnet and Ethereum infrastructure risk, price volatility, and counterparty or interface risk.

The project does not authorize wash trading, self-trading, circular funding, fabricated volume, fake holders, undisclosed price support, or misleading market-making activity.

7. Treasury, Custody, and Governance

Treasury Safe

Treasury Safe: 0x69611F108e8318Ce188b4967083370FbFEE9d7Ad

The Safe currently uses a 2-of-3 threshold. Its recorded owner addresses are:

- 0x24898c7F12fD3167A13c39b5a4dFC29100DbeB6C
- 0x33a0F0F7af079bE7747681b9668832FB00DE8269
- 0x6cb0716d26555ce47af8eE723E24B19e073a9Af7

The threshold upgrade was executed on 2026-07-13: 0x574afe53c5b8b68b572a40cfc40724664bf9d61ee175aa055f48da2d02add917.

Multisignature exercises

Two on-chain signing exercises have been recorded:

- A zero-value, no-asset-change two-signer exercise: 0xd9181657a3b955db31996ba7dac0479480b6f4452fb24f742bbfefda4e29604b
- A second owner combination executed a read-only getThreshold() call without Owner A: 0x2a0a2e7680910bbd2c00d7fcb21ae4ad0c5bd67150688671b73869ac6f7e5d23

These exercises demonstrate that the Safe can satisfy its on-chain threshold with more than one signer combination. They do not prove that all keys are held by independent legal persons, that devices and backups are physically separated, or that offline recovery procedures are complete.

Governance limitations

Treasury governance remains centralized. The Safe controls approximately 99.935% of the initial supply and the LP NFT.

There is currently no DAO, MTVRN-based voting, community veto, on-chain budget module, independently enforced vesting system, or timelock on Treasury transactions or the LP NFT.

The Safe can control assets it owns, but it cannot modify the token contract, mint additional MTVRN, pause transfers, impose a blacklist, or upgrade the token contract.

A 2-of-3 Safe is a custody and authorization control. It is not evidence of decentralized token governance.

8. Security Status

Work completed

Recorded internal work includes:

- Tests covering fixed issuance, transfers, allowances, burning, permit signatures, expiration, replay protection, and authority-related behavior.
- OP Sepolia deployment and operational rehearsal.
- OP Mainnet deployment and Sourcify creation/runtime bytecode matching.
- Simulation and receipt verification for deployment and liquidity creation.
- Safe threshold upgrade and signer-control verification.
- Two on-chain multisignature exercises using different signer combinations.
- An internal test record of 21 passing tests and 0 failing tests.
- Three CI fuzz tests with 1,000 runs each.
- A recorded project-source coverage summary of 100%.

These are internal engineering checks. Test counts and coverage do not establish the absence of vulnerabilities.

Work not completed

The following remain incomplete:

- Independent third-party smart-contract audit.
- Formal source review by a reviewer who did not participate in development.
- Independent review of Treasury operational security.
- Complete physical separation of signer devices and backups.
- Offline recovery testing without exposing seed phrases.
- Beneficiary identification and on-chain vesting deployment.
- Legal, tax, regulatory, marketing, and privacy review.
- A review of any future product, integration, bridge, exchange, or market-making arrangement.

The project must not be described as audited, fully secure, risk-free, or legally approved.

9. Principal Risks

- **Treasury concentration:** Approximately 99.935% of the initial supply remains in a single Treasury Safe. A multisignature threshold reduces but does not remove collusion, coercion, key compromise, loss, operational error, or concentrated decision-making risk.
- **Signer and recovery:** If two qualifying owners are compromised, coerced, unavailable, or controlled through insufficiently separated devices or backups, Treasury assets and the LP NFT may be lost or misused.
- **Liquidity and market:** The pool is extremely small. Trades may experience severe price impact, slippage, failed execution, unreliable pricing, manipulation, or an inability to exit.
- **Unlocked LP:** The LP NFT is not locked. The Treasury Safe may alter or remove liquidity. Documents or public statements cannot substitute for an enforceable on-chain lock.
- **Supply distribution:** Most tokens remain concentrated and are not subject to on-chain vesting. The planning framework does not prevent the Safe from proposing or executing a different transaction if the threshold approves it.
- **Non-upgradeability:** The token contract cannot be upgraded or paused. If a defect is discovered, the existing deployment cannot be repaired in place.
- **Approval and phishing:** Incorrect approvals, permit signatures, malicious interfaces, compromised wallets, or deceptive signing requests may result in asset loss.
- **Infrastructure:** OP Mainnet sequencing, Ethereum settlement, fault-proof systems, RPC providers, wallets, front ends, indexers, bridges, and third-party services may fail, become unavailable, or be attacked.
- **Product and adoption:** MTVRN currently has no live token-specific product utility. Planned products may not be completed, adopted, legally permissible, or commercially sustainable.
- **Regulatory and tax:** Issuance, promotion, sale, distribution, trading, custody, market making, exchange listing, and virtual-asset services may be regulated differently across jurisdictions. Tax treatment may change.
- **Naming and impersonation:** Names and symbols are not unique on public blockchains. Other parties may deploy assets with the same name or ticker. Verify the chain ID and contract address.
- **Total loss:** MTVRN may become illiquid or lose all value. Fixed initial issuance does not guarantee demand, appreciation, exchange support, or capital preservation.

10. Development and Readiness Gates

The following sequence describes readiness conditions, not promised dates or guaranteed outcomes.

Gate 1 - Governance and operational security

- Complete signer-device separation.
- Complete offline backup and recovery exercises.
- Publish Treasury expenditure, conflict-of-interest, allocation, and LP-management procedures.
- Establish transaction review and incident-response controls.

Gate 2 - Legal and organizational readiness

- Identify and disclose the responsible legal entity or operating structure.
- Identify responsible persons, contributors, beneficial owners, and jurisdictions.
- Complete applicable legal, tax, AML/KYC, consumer-protection, advertising, privacy, and sanctions review.
- Prepare accurate KYB documentation.

Gate 3 - Independent technical review

- Obtain independent source and security review.
- Remediate or publicly disclose findings.
- Review any vesting, timelock, product, or integration contracts before mainnet use.

Gate 4 - Verifiable token distribution controls

- Approve actual beneficiaries, amounts, start dates, and departure rules.
- Deploy reviewed vesting or timelock contracts.
- Fund them through separately approved 2-of-3 transactions.
- Publish addresses, schedules, and transaction records.
- Avoid describing planning caps as allocations before these steps are complete.

Gate 5 - Product and utility validation

- Deliver a usable product with independently verifiable functionality.
- Measure genuine adoption and user value.
- Define token utility only after legal and technical review.
- Avoid creating artificial utility solely to support promotional claims.

Gate 6 - Sustainable market structure

- Obtain legitimate paired capital where available.
- Maintain one primary market before fragmenting liquidity across venues.
- Measure TVL, price impact, organic volume, unique traders, spread, and depth.
- Prohibit wash trading, circular volume, fake accounts, and undisclosed price support.

Gate 7 - Data and exchange applications

- Correct public metadata and aggregator records first.
- Apply only through official platform channels.
- Submit only verified information.
- Do not pay parties promising guaranteed listings.
- Do not promise a listing date, price, liquidity level, or approval outcome.

11. Legal and Public-Sale Status

As of the information date:

- No public sale is approved.
- No private placement is approved.
- No subscription or presale is approved.
- No airdrop is approved.
- No token price or fundraising target is approved.
- No buyer, investor, or participant has an approved right to receive MTVRN.
- No exchange listing is guaranteed.
- No legal opinion has been completed.
- The responsible legal entity and formal contributor disclosures remain incomplete.
- Terms of use, restricted jurisdictions, complaint procedures, and privacy disclosures remain subject to legal review.

No payment request, deposit address, purchase instruction, direct message, or third-party promotion should be interpreted as an authorized MTVRN sale.

Taiwan's virtual-asset regulatory framework is evolving. Taiwan's Virtual Asset Service Act passed its third reading on 2026-06-30; the effective date, implementing regulations, business classifications, and applicability to particular activities require advice from qualified Taiwanese counsel. Existing VASP AML registration rules may also apply to certain services performed for others.

- Taiwan Legislative Yuan meeting record
- Taiwan Financial Supervisory Commission VASP AML registration rules

Before accepting third-party funds, conducting a sale, providing custody or trading services, offering yield, or targeting a particular jurisdiction, the responsible parties should obtain advice on securities, virtual-asset, AML/KYC, sanctions, tax, consumer-protection, privacy, and advertising requirements.

12. Official Information and Contacts

Channel	Address
Official website	https://montrevane.com
Official X account	https://x.com/MontrevaneMTVRN

Channel	Address
General and partnerships	contact@montrevane.com
Security reports	security@montrevane.com
Legal and compliance	legal@montrevane.com
Exchange and data inquiries	listings@montrevane.com

Domain-email forwarding has been configured, but external delivery testing and outbound domain-email capability remain pending. Until those tests are complete, the website and verified X account should be used to cross-check communications.

The only OP Mainnet token contract covered by this document is:

0x4D896f082257537147F5C7663f5A202Fca111F6e

13. Verification Sources and Document Control

On-chain records

- MTVRN contract on OP Mainnet
- Token deployment transaction
- Treasury Safe
- Safe 2-of-3 upgrade transaction
- First two-signer Safe exercise
- Second signer-combination Safe exercise
- Uniswap V3 WETH/MTVRN pool
- Initial liquidity transaction
- OP Sepolia test deployment

Technical references

- Optimism network information
- Optimism Foundry deployment tutorial
- OpenZeppelin ERC-20 supply documentation
- Foundry scripting documentation
- Montrevane public security disclosure

On-chain balances, allowances, liquidity, LP ownership, and transaction history may change. The current state should always be checked directly against OP Mainnet records.

Each future revision should include a version number, publication date, information cut-off date, summary of material changes, updated on-chain links, and a clear separation between implemented facts and future plans.

The official website should remain the primary publication point for updated disclosures: https://montrevane.com.

No person should identify MTVRN by name, ticker, logo, private message, or search result alone. Always verify OP Mainnet chain ID 10 and the contract address.

On-chain verification summary

Item	Public source
MTVRN contract	0x4D896f082257537147F5C7663f5A202Fca111F6e
Official website	montrevane.com
Official X	x.com/MontrevaneMTVRN
Treasury Safe	0x69611F108e8318Ce188b4967083370FbFEE9d7Ad
Uniswap V3 pool	0xB0eF76Dc8F828714C11C6AC87a017b69c808df76
Source code	Sourcify creation/runtime match - Match ID 41520092
Document status	Public draft; planning caps approved; legal and independent security reviews incomplete

Verify the OP Mainnet network, chain ID 10 and full contract address. A name, ticker, image or search result cannot identify the correct deployment.

- End of document -