



### **Preamble**

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#### 01. Date of notification

2025-03-31

## 02. Statement in accordance (vith Article 6(3) of Regulation (EU) 2023/1114

This crypto-asset white paper has not becomproved by any competent authority in any Member State of the property Julian. The person seeking admission to trading of the crypto-asset is solely respectible or the content of this crypto-asset white paper.

## 03. Contaliable statement in accordance with Article 6(6) of Regulation (U) 2023/1114

This copto Let white paper complies with Title II of Regulation (EU) 2023/1114 of the European Parliament and of the Council and, to the best of the knowledge of the man gement body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.

## 04. Statement in accordance with Article 6(5), points (a), (b), (c), of Regulation (EU) 2023/1114

The crypto-asset referred to in this crypto-asset white paper may lose its value in part or in full, may not always be transferable and may not be liquid.

## 05. Statement in accordance with Article 6(5), point (d), of Regulation (EU) 2023/1114

The token has no utility other than being holdable and transferable and can not be exchanged for any goods or services at the time of writing this white paper (2025-03-08).



## 06. Statement in accordance with Article 6(5), points (e) and (f), of Regulation (EU) 2023/1114

The crypto-asset referred to in this white poer is not covered by the investor compensation schemes under Directive 97/0/EC withe E ropean Parliament and of the Council or the deposit guarantee schemes under Directive 2014/49/EU of the European Parliament and of the Council.

#### **Summary**

## 07. Wah in accordance with Article 6(7), second subpara raph of Regulation (EU) 2023/1114

Warning This seemary should be read as an introduction to the crypto-asset white paper The cospective holder should base any decision to purchase this crypto –asset on the content of the crypto- asset white paper as a whole and not on the summary along. The offer to the public of this crypto-asset does not constitute an offer or solicitation to purchase financial instruments and any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law. This crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 of the European Parliament and of the Council or any other offer document pursuant to Union or national law.

#### 08. Characteristics of the crypto-asset

The crypto-asset name "Ethereum" (ETH) (DTI FFG shown in F.14) refers to the native token of the Ethereum DL, which powers the network's decentralized applications and smart contracts.

The crypto-asset was originally created by Vitalik Buterin and a team of developers in 2015. It follows an adaptive issuance model, with changes influenced by network upgrades like Ethereum Improvement Proposals (EIPs). The crypto asset is used



primarily to pay for transaction fees and computing resources within the token ecosystem, but may also be used as a store of valuand a medium of exchange.

The crypto-assets transactions and smart contracts are secured through its blockchain, ensuring they are secure, transparent, and in mutable. Ecowing the transition to Proof-of-Stake (PoS) from Proof-of-Work (PoV) through the Ethereum Merge, token holders can stake their tokens to help secure the name and earn rewards.

The tokens have no inherent right or utility - apart from being holdable, transferable or being used within start g and can not be exchanged for any goods or services at the time of writing this unite parts (2025-03-08).

# 09. Infol paties about the quality and quantity of goods or services to thich the utility tokens give access and restrictions on the threaferability

Since bolding the crypto-asset does not grant access to any goods or services, this is not participated at the time of writing this white paper (2025-03-15).

## 10. Key information about the offer to the public or admission to trading

Crypto Risk Metrics GmbH is seeking admission to trading on any Crypto Asset Service Provider platform in the European Union in accordance to Article 5 of REGULATION (EU) 2023/1114 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 2023 on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937. In accordance to Article 5(4), this crypto-asset white paper may be used by entities admitting the token to trading after Crypto Risk Metrics GmbH as the person responsible for drawing up such white paper has given its consent to its use in writing to the repective Crypto Asset Service Provider. If a CASP wishes to use this white paper, inquiries can be made under info@crypto-risk-metrics.com.



#### Part A - Information about the offeror or the person seeking

admission to trading

#### A.1 Name

Crypto Risk Metrics GmbH

#### A.2 Legal form

2HBR

#### A.3 Registered address

DE, Lange Reihe 73 0099 Poburg, Germany

#### A.4 Head ofice

Not a licable.

#### A.5 Restration date

2018-2-03

#### A.6 Legal entity identifier

39120077M9TG0O1FE242

#### A.7 Another identifier required pursuant to applicable national law

Crypto Risk Metrics GmbH is registered with the commercial register in the city of Hamburg, Germany, under number HRB 154488.

#### A.8 Contact telephone number

+4915144974120

#### A.9 E-mail address

info@crypto-risk-metrics.com

#### A.10 Response time (Days)

030



#### A.11 Parent company

Not applicable.

#### A.12 Members of the management body

| Name                 | Position | Address                                   |
|----------------------|----------|---|
| Dr. Sven Hildebrandt | Chairms  | Lange Reihe 73, 20099<br>Hamburg, Germany |

#### A.13 Business activit

Crypto Risk in cricis SmbH is a technical service provider, who supports regulated entities in the function of their regulatory requirements. In this regard, Crypto Risk Metric GmbH is as a data-provider for ESG-data according to article 66 (5). Due to the rigulatory laid out in article 5 (4) of the REGULATION (EU) 2023/1114 OF THE EUROF AN PARLIAMENT AND OF THE COUNCIL of 31 May 2023 on markets in crypto-asset, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937, Crypto Risk Metrics GmbH aims at providing central services for crypto-asset white papers in order to minimize market confusion due to conflicting white papers for the same asset.

#### A.14 Parent company business activity

Not applicable.

#### A.15 Newly established

Crypto Risk Metrics GmbH has been etablished since 2018 and is therefore not newly established (i. e. older than three years).

#### A.16 Financial condition for the past three years

Crypto Risk Metrics GmbH's profit after tax for the last three financial years are as follows:

2024 (unaudited): negative 50.891,81 EUR

2023 (unaudited): negative 27.665,32 EUR

CRYPTO RISK METRICS

2022: 104.283,00 EUR.

As 2023 and 2024 were the years building Software or the MiCAR-Regulation which was not yet in place, revenue streams from these investment, are expected to be generated in 2025.

#### A.17 Financial condition since registration

This point would only be applicable in the company were newly established and the financial conditions for the past on years had not been provided in the bulletpoint before

## Part B – Into mather about the issuer, if different from the offeror or person reking admission to trading

#### B.1 uer for ht from offeror or person seeking admission to trading

Yes

#### Name کیر

The crypto-asset and its decentralized network are not operated by a legal entity and thus do not have a parent company.

#### **B.3 Legal form**

Due to the nature of the decentralized network, the crypto-asset does not have a management body as defined in Article 3(1), point (27), of Regulation (EU) 2023/1114.

#### **B4.** Registered address

Due to the explaination given in field B.3 the crypto-asset does not have a registered address.

#### **B.5 Head office**

Due to the explaination given in field B.3 the crypto-asset does not have a registered address.



#### **B.6 Registration date**

Since the issuer of the crypto-asset did not register in a legal form there is no date of registration. The first block on the network was noted on 2015-07-30.

#### **B.7 Legal entity identifier**

Not applicable

#### B.8 Another identifier require part ant plicable national law

Not applicable

#### B.9 Parent company

Not applicable

#### B.10 Members the management body

The coto set and its decentralized network are not operated by a legal entity and thus do not have a parent company.

#### **B.11** Business activity

Due to the nature of the decentralized network, the crypto-asset does not have a management body as defined in Article 3(1), point (27), of Regulation (EU) 2023/1114.

#### **B.12 Parent company business activity**

Vitalik Buterin who co-authered the crypto-assets whitepaper alongside other developers and the Ethereum Foundation remain an active voice in the future development of the crypto-asset and the crypto space as a whole. He and the other parties however are not the issuer of the crypto-asset, due to it being an open-source, decentralized network, meaning any developer, validator, or organization can contribute to its growth. Thus there is no applicable activity of the issuer.



Part C – Information about the operator of the trading platform in cases where it draws up the crypto-asset white paper and information about other persons drawing the crypto-asset white paper pursuant to Article 6(1), second subparagraph, of Regulation (EU) 2023/1114

#### C.1 Name

Not applicable.

C.2 Legal form

Not applicab

C.3 Register addr

t app rable.

C.4 He office

Not plicable

#### **C.5** Registration date

Not applicable.

#### C.6 Legal entity identifier

Not applicable.

#### C.7 Another identifier required pursuant to applicable national law

Not applicable.

#### **C.8 Parent company**

Not applicable

#### C.9 Reason for crypto-Asset white paper Preparation

Not applicable.



#### C.10 Members of the Management body

Not applicable.

#### C.11 Operator business activity

Not applicable.

#### C.12 Parent company business activ

Not applicable

C.13 Other persons drawing up the crypto-asset white paper according to Article 6(1), second subparagrap, of Regulation (EU) 2023/1114

Not applicable.

C.14 Plason for trawing the white paper by persons referred to in Article 6(1), second sub, ragio by Regulation (EU) 2023/1114

Not aplicable.

#### Part D – Information about the crypto-asset project

#### D.1 Crypto-asset project name

Long Name: "Ethereum Eth", Short Name: "ETH" according to the Digital Token Identifier Foundation (www.dtif.org, DTI see F.13, FFG DTI see F.14 as of 2025-03-20).

#### D.2 Crypto-assets name

See F.13.

#### **D.3 Abbreviation**

See F.13.

#### D.4 Crypto-asset project description

As described within the official documentation (https://ethereum.org/en/whitepaper/, accessed at 2025-03-20), the crypto-asset is intended to function as a decentralized, permissionless crypto-asset operating on a public, pseudonymous blockchain. The



crypto-asset's blockchain is structured as a linked chain of blocks, each containing transactions and smart contract executions, with ach block referencing the previous block's hash to maintain integrity.

Until September 15, 2022, the Ethereum blackcharuse the Proof-of-Work consensus mechanism, until a change to Proof-of-Stake tokelace.

Governance relies on Ethereum corovement Proposals (EIPs) and community consensus among developers, variators, and users, intending to facilitate continuous upgrades while intendict to mentain decentralization and security.

## D.5 Details all natural or pal persons involved in the implementation of the crypto-asset project

| Name                | Role   |
|---------------------|--|
| Ether um Foundation | Supporter of the crypto-assets network (https://ethereum.foundation, accessed at 2025-03-08)   |
| Vitalik Buterin     | Co-Founder of the Ethereum network and Co-Author of the (original, non-MiCAR) white paper, remains an influential voice in the space |
| Others              | More information was not available on<br>the foundation website<br>https://ethereum.foundation, accessed at<br>2025-03-12)           |

#### **D.6 Utility Token Classification**

The token does not classify as a utility token.

#### D.7 Key Features of Goods/Services for Utility Token Projects

Not applicable.

CRYPTO RISK METRICS

D.8 Plans for the token

The crypto-asset is a decentralized blockchain to enable smart

contracts and decentralized applications (dApps It was proposed by Vitalik Buterin in

2013, with the goal of extending Bitcoin's capabilities beyond simple transactions. Since

its launch, the crypto-asset has undergop multiple major upgrades to enhance

scalability, security, and efficiency.

Past Milestones

1. White Paper (2013)

- Vitalik But in put ishes the crypto-asset's white paper, outlining the concept of a

Turing-complete, lockchain capable of executing smart contracts.

2. Laush – Froncer (2015)

The typto asset's mainnet goes live on July 30, 2015, introducing ETH as its native

asset and enabling smart contracts.

3. Homestead Upgrade (2016)

- The first major upgrade improves security and efficiency, preparing the crypto-asset

for future developments.

4. The DAO Hack & Ethereum Hard Fork (2016)

- A major exploit in The DAO, an early Ethereum-based project, leads to a controversial

hard fork, splitting the crypto-asset into Ethereum (ETH) and Ethereum Classic (ETC).

5. Metropolis Phase 1 – Byzantium (2017)

- aims to enhance privacy, security, and transaction efficiency.

6. Metropolis Phase 2 – Constantinople & St. Petersburg (2019)

- Reduces gas costs, prepares for PoS transition, and postpones the "difficulty bomb" (a

mechanism that encourages the crypto-asset's transition away from PoW).

7. Istanbul Upgrade (2019)



- Increases network interoperability and reduces gas costs.
- 8. Ethereum 2.0 & Beacon Chain Launch (2020)
- Introduces Proof-of-Stake (PoS) via the Beacol Chain, arallel blockchain designed for future consensus mechanisms.
- 9. London Hard Fork & EIP-1559 (2011)
- Implements EIP-1559, changing as crypt asset's fee structure by burning a portion of transaction fees, reducing the copto asset's inflation.
- 10. The Merge (202
- the crypto-asset fully transitions from Proof-of-Work (PoW) to Proof-of-Stake (PoS), deprecating making and drastically reducing the crypto-asset's energy consumption.
- 11. ang i 8 Lapella (Shapella) Upgrade (2023)
- Enables token staking withdrawals, allowing validators to unlock staked tokens for the first one since the PoS transition.

Future Milestones: It is important to emphasize that future milestones are subject to a high degree of uncertainty due to the decentralized nature of the project, and that implementation is not guaranteed. Likewise, future developments may lead to unfavorable developments.

- 1. EIP-4844 & Proto-Danksharding (2024)
- Introduces proto-danksharding, significantly reducing gas fees for layer-2 rollups, improving Ethereum's scalability.
- 2. Full Danksharding (Expected 2025-2026)
- the crypto-asset will implement full sharding, enabling parallel processing of transactions to scale the network to 100,000+ transactions per second (TPS).
- 3. Verkle Trees & State Expiry (Expected 2026-2027)

CRYPTO RISK METRICS

- Introduces Verkle Trees to reduce blockchain storage requirements and enhance

efficiency.

4. Ethereum's Long-Term Scalability & Security U grades 227 & Beyond)

- Continued improvements to rollups, aking meanisms, and security models to

maintain decentralization and effects.

Ethereum's roadmap remain highly flexible, adapting to new challenges and

technological advantment with a ultimate goal of achieving a scalable, secure, and

decentralized world content.

D.9 Resource Cati

According their preport the crypto-asset's foundation has a treasury portfolio of

\$970, million to between \$788,7million in crypto assets (99,45% in ETH) and \$181,5

million in Taypto investments and assets. (as of October 31st, 2024 in their report

https://ethereum.foundation/report-2024.pdf, accessed at 2025-03-20)

Planned use of Collected funds or crypto-Assets

Not applicable, as this white paper was drawn up for the admission to trading and not

for collecting funds for the crypto-asset-project.

Part E – Information about the offer to the public of crypto-assets

or their admission to trading

E.1 Public offering or admission to trading

The white paper concerns the admission to trading (i. e. ATTR) on any Crypto Asset

Service Providers platform that has obtained the written consent of Crypto Risk Metrics

GmbH as the person drafting this white paper.

E.2 Reasons for public offer or admission to trading

As already stated in A.13, Crypto Risk Metrics GmbH aims to provide central services to

draw up crypto-asset white papers in accordance to COMMISSION IMPLEMENTING

REGULATION (EU) 2024/2984. These services are offered in order to minimize market



confusion due to conflicting white papers for the same asset drawn up from different Crypto Asset Service Providers. As of now, such a scenario seems highly likely as a Crypto Asset Service Provider who drew up a crypto-asset white paper and admitted the respective token in the Union has no incentive a give his written consent to another Crypto Asset Service Provider according to a cicle 5 (4 b) of the REGULATION (EU) 2023/1114 to use the white paper for as reculatory obligations, as this would 1. strenghthen the market-positioning on the other Crypto Asset Service Provider (who is most likely a competitor) and 2. a 60 stail liability risks.

#### E.3 Fundraising targe

Not applicable

#### E.4 Minimum ubscription goals

n appliable.

#### E.5 Mamum subscription goals

pplicable.

#### **E.6 Oversubscription acceptance**

Not applicable.

#### E.7 Oversubscription allocation

Not applicable.

#### E.8 Issue price

Not applicable.

#### E.9 Official currency or any other crypto-assets determining the issue price

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

#### E.10 Subscription fee

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.



#### E.11 Offer price determination method

Once the token is admitted to trading its price will be determined by demand (buyers) and supply (sellers).

#### E.12 Total number of offered/traded crypt

There is no fixed supply for the city 2-as of The mount of token which are available in the market depends on new token is uance which among other things is controlled through staking rewards and the city 1559 fee-burning mechanism.

#### E.13 Targeted holder

ALL

#### E.14 Holder Intriction

Hower restrictions are subject to the rules applicable to the Crypto Asset Service Provider as well as additional restrictions the Crypto Asset Service Providers might set in force.

#### **E.15 Reimbursement notice**

Not applicable.

#### E.16 Refund mechanism

Not applicable.

#### **E.17 Refund timeline**

Not applicable.

#### E.18 Offer phases

Not applicable.

#### E.19 Early purchase discount

Not applicable.

#### **E.20 Time-limited offer**

Not applicable.



#### E.21 Subscription period beginning

Not applicable.

#### E.22 Subscription period end

Not applicable.

#### E.23 Safeguarding arrangements for fered and crypto- Assets

Not applicable.

#### E.24 Payment methods cryp -asset purchase

The payment methods are object to the respective capabilities of the Crypto Asset Service Provider ating the crypto-asset.

#### E.25 Value transac methods for reimbursement

Not a plicas

#### E.26 Rint of withdrawal

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

#### E.27 Transfer of purchased crypto-assets

The transfer of purchased crypto-assets are subject to the respective capabilities of the Crypto Asset Service Provider listing the crypto-asset.

#### **E.28 Transfer time schedule**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

#### E.29 Purchaser's technical requirements

The technical requirements that the purchaser is required to fulfil to hold the crypto-assets of purchased crypto-assets are subject to the respective capabilities of the Crypto Asset Service Provider listing the crypto-asset.



#### E.30 Crypto-asset service provider (CASP) name

Not applicable.

#### **E.31 CASP identifier**

Not applicable.

#### E.32 Placement form

Not applicable.

#### E.33 Trading platforms

The trading All MAR-corporant trading platforms is sought.

#### E.34 Trading latfo Market identifier code (MIC)

Not ap "cable.

#### E.35 Tipling platforms access

This pends on the trading platform listing the asset.

#### E.36 Involved costs

This depends on the trading platform listing the asset. Furthermore, costs may occur for making transfers out of the platform (i. e. "gas costs" for blockchain network use that may exceed the value of the crypto-asset itself).

#### E.37 Offer expenses

Not applicable, as this crypto-asset white paper concerns the admission to trading and not the offer of the token to the public.

#### E.38 Conflicts of interest

MiCAR-compliant Crypto Asset Service Providers shall have strong measurements in place in order to manage conflicts of interests. Due to the broad audience this white-paper is adressing, potential investors should always check the conflicts of Interest policy of their respective counterparty.



#### E.39 Applicable law

Not applicable, as it is referred to on "offer to the ublic" and in this white-paper, the admission to trading is sought.

#### **E.40** Competent court

Not applicable, as it is referred to the public" and in this white-paper, the admission to trading is sought.

#### Part F - Information about the crypto-assets

#### F.1 Crypto-as

The crypto set discribed in the white paper is classified as a crypto-asset under the Market in Crypto-Assets Regulation (MiCAR) but does not qualify as an electronic money to a country or an asset-referenced token (ART). It is a digital representation of value that can be stored and transferred using distributed ledger technology (DLT) or similar technology, without embodying or conferring any rights to its holder.

The asset does not aim to maintain a stable value by referencing an official currency, a basket of assets, or any other underlying rights. Instead, its valuation is entirely market-driven, based on supply and demand dynamics, and not supported by a stabilization mechanism. It is neither pegged to any fiat currency nor backed by any external assets, distinguishing it clearly from EMTs and ARTs.

Furthermore, the crypto-asset is not categorized as a financial instrument, deposit, insurance product, pension product, or any other regulated financial product under EU law. It does not grant financial rights, voting rights, or any contractual claims to its holders, ensuring that it remains outside the scope of regulatory frameworks applicable to traditional financial instruments.

#### F.2 Crypto-asset functionality

The token can be used within the network, for example to pay fees or for staking. It can also be held and transferred.

CRYPTO RISK METRICS

F.3 Planned application of functionalities

The potential planned applications and changes to crypto-asset have been layed out

in D.8

A description of the characteristics the pto asset, including the

data necessary for classification of the dypto-asset white paper in the

register referred to in Artic 10. Regulation (EU) 2023/1114, as

specified in accordance with parallelph 8 of that Article

F.4 Type of crypto-asset hite per

The white paper type is "other rypto-assets" (i. e. "OTHR").

F.5 The type of such ission

The wate paper bmission type is "NEWT", which stands for new token.

F.6 Cry to-asset characteristics

The tolens are crypto-assets other than EMTs and ARTs, which are the native tokens of

tne Ethereum blockchain.

There is no fixed supply for the crypto-asset. The amount of token which are available in

the market depends on new token issuance which among other things is controlled

through staking rewards and the EIP-1559 fee-burning mechanism.

Anyone with an internet connection can send and receive the crypto-asset without

intermediaries.

F.7 Commercial name or trading name

See F.13.

F.8 Website of the issuer

Not applicable

F.9 Starting date of offer to the public or admission to trading

2025-03-31



#### F.10 Publication date

2025-03-31

#### F.11 Any other services provided by the issuer

Not applicable

#### F.12 Language or languages of the to-assistation paper

ΕN

F.13 Digital token identify cook used to uniquely identify the crypto-asset or each of the several crypto asset to which the white paper relates, where available

X9|9K872S

#### F.14 Factional Sungible group digital token identifier, where available

D5RC FHA

#### F.15 V untary data flag

Mandatory.

#### F.16 Personal data flag

The white paper does contain personal data.

#### F.17 LEI eligibility

The issuer should be eligible for a Legal Entity Identifier.

#### F.18 Home Member State

Germany

#### **F.19 Host Member States**

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden



## Part G – Information on the rights and obligations attached to the crypto-assets

#### **G.1** Purchaser rights and obligations

There are no rights or obligations attached from the chaser.

#### G.2 Exercise of rights and obligation

As the token grants neither nexts no obligations, there are no procedures and conditions for the excise of these reasons applicable.

#### G.3 Conditions for nodifications of rights and obligations

As the token goods need rights nor obligations, there are no conditions under which the rights and abligations may be modified applicable.

#### G.- tur ub! offers

Not aplicable

#### ssuer retained crypto-assets

The crypto-asset's foundation cannot be named as the issuer of the crypto asset. Nevertheless, the foundation is considered an important party within the ecosystem and hold about 0,26% of the total supply as of 2024-10-31 (https://ethereum.foundation/report-2024.pdf accessed 2025-03-12)

#### G.6 Utility token classification

No

#### G.7 Key features of goods/services of utility tokens

As the crypto-asset grants no access to neither goods nor services this information is not applicable.

#### **G.8 Utility tokens redemption**

Not applicable.

CRYPTO RISK METRICS

**G.9 Non-trading request** 

The admission to trading is sought.

**G.10** Crypto-assets purchase or sale modalities

Not applicable, as the admission to trading of the tokens is sought.

G.11 Crypto-assets transfer restrict

The crypto-assets as such donot by a cransfer restrictions and are generally freely

transferable. The Crype Asserter Providers can impose their own restrictions in

agreements they enter who their clients. The Crypto Asset Service Providers may

impose restrictions to buyer and sellers in accordance with applicable laws and internal

policies an terms

C 12 Supply adjustment protocols

The opto-asset's supply is dynamically adjusted through issuance and burning

mechalisms. The EIP-1559 upgrade introduced fee burning, permanently removing a

portion of tokens from circulation, especially during high network activity.

Activities of network validators, primarilyt staking, newly issued token. Failure of

validators to follow their obligations will result in part of their Stake being burned.

The Shapella upgrade enabled staking withdrawals, allowing flexibility in supply.

Depending on transaction volume, the crypto-asset can be inflationary or deflationary,

with high demand leading to more tokens being burned than issued, effectively reducing

supply.

**G.13** Supply adjustment mechanisms

See G.12.

**G.14 Token value protection schemes** 

No, the token does not have value protection schemes.

G.15 Token value protection schemes description

Not applicable.



#### **G.16 Compensation schemes**

No, the token does not have compensation scheme

#### **G.17 Compensation schemes description**

Not applicable.

#### **G.18** Applicable law

Applicable law likely depends on the location of any particular transaction with the token.

#### G.19 Competent co

Competent coun likely depends on the location of any particular transaction with the token.

#### Part - information on the underlying technology

#### H.1 Stributed ledger technology (DTL)

See F.13.

#### **H.2 Protocols and technical standards**

The crypto-asset operates on a well-defined set of protocols and technical standards that are intended to ensure its security, decentralization, and functionality. Below are some of the key ones:

#### 1. Network Protocols

The crypto-asset follows a decentralized, peer-to-peer (P2P) protocol where nodes communicate over the crypto-asset's DevP2P protocol using RLPx for data encoding.

- Transactions and smart contract execution are secured through Proof-of-Stake (PoS) consensus.
- Validators propose and attest blocks in Ethereum's Beacon Chain, finalized through Casper FFG.



- The Ethereum Virtual Machine (EVM) executes smart contracts using Turing-complete bytecode.
- 2. Transaction and Address Standards

crypto-asset Address Format: 20-byte accress a deced from Keccak-256 hashing of public keys.

Transaction Types:

- Legacy Transactions re-EP-1759)
- Type 0 (Pre-EIP-15 9 trans tions)
- Type 1 (EIR-29) Access ist transactions)
- Type (EIP-13): Dynamic fee transactions with base fee burning)
- 3. Block Standards
- the opto-asset's blockchain consists of accounts, smart contracts, and storage states, maintained through Merkle Patricia Trees for efficient verification.

Each block contains:

- Block Header: Parent hash, state root, transactions root, receipts root, timestamp, gas limit, gas used, proposer signature.
- Transactions: Smart contract executions and token transfers.
- Block Size: No fixed limit; constrained by the gas limit per block (variable over time).
- 4. Upgrade & Improvement Standards

Ethereum follows the Ethereum Improvement Proposal (EIP) process for upgrades.

#### H.3 Technology used

1. Decentralized Ledger: The Ethereum blockchain acts as a decentralized ledger for all token transactions, with the intention to preserving an unalterable record of token transfers and ownership to ensure both transparency and security.



- 2. Private Key Management: To safeguard their token holdings, users must securely store their wallet's private keys and recovery phrase.
- 3. Cryptographic Integrity: Ethereum employs elletic cure cryptography to validate and execute transactions securely, intended transaction the integrity of all transfers. The Keccak-256 (SHA-3 variant) Hashing Legor minutes used for hashing and address generation. The crypto-asset uses LSDSA who ccp256k1 curve for key generation and digital signatures. Next to the crypto-asset uses LSDSA who ccp256k1 curve for key generation and digital signatures. Next to the crypto-asset uses LSDSA who ccp256k1 curve for key generation and digital signatures. Next to the crypto-asset uses LSDSA who ccp256k1 curve for key generation and digital signatures. Next to the crypto-asset uses LSDSA who ccp256k1 curve for key generation and digital signatures.

#### H.4 Consensus meclinism

The crypto-assets Profes Stake (PoS) consensus mechanism, introduced with The Merge in 2003, reposes mining with validator staking. Validators must stake 32 ETH every back a variator is randomly chosen to propose the next block. Once proposed the over variators verify the blocks integrity. The network operates on a slot and epoch system, where a new block is proposed every 12 seconds, and finalization occurs two epochs (~12.8 minutes) using Casper-FFG. The Beacon Chain coordinates validators, while the fork-choice rule (LMD-GHOST) ensures the chain follows the heaviest accumulated validator votes. Validators earn rewards for proposing and verifying blocks, but face slashing for malicious behavior or inactivity. PoS aims to improve energy efficiency, security, and scalability, with future upgrades like Proto-Danksharding enhancing transaction efficiency.

#### H.5 Incentive mechanisms and applicable fees

The crypto-asset's PoS system secures transactions through validator incentives and economic penalties. Validators stake 32 ETH and earn rewards for proposing blocks, attesting to valid ones, and participating in sync committees. Rewards are paid in newly issued ETH and transaction fees. Under EIP-1559, transaction fees consist of a base fee, which is burned to reduce supply, and an optional priority fee (tip) paid to validators. Validators face slashing if they act maliciously and incur penalties for inactivity. This system aims to increase security by aligning incentives while making the crypto-asset's fee structure more predictable and deflationary during high network activity.



#### H.6 Use of distributed ledger technology

No, DLT is not operated by the issuer or a third part acting on the issuer's behalf.

#### H.7 DLT functionality description

Not applicable.

#### H.8 Audit

As we are understanding the quartion reating to "technology" to be interpreted in a broad sense, the ansiter ansiter to whether an audit of "the technology used" was conducted is "no, we can not guarantee, that all parts of the technology used have been audited". This reduces the left this report focusses on risk, and we can not guarantee that each part of the technology used was audited.

#### 44 9 Auc outcor

Not al licable.

#### Part I - Information on risks

#### I.1 Offer-related risks

#### 1. Regulatory and Compliance

This white paper (drawn up from 2025-02-20-2025-03-15) has been prepared with utmost caution; however, uncertainties in the regulatory requirements and future changes in regulatory frameworks could potentially impact the token's legal status and its tradability. There is also a high probability that other laws will come into force, changing the rules for the trading of the token. Therefore, such developments shall be monitored and acted upon accordingly.

#### 2. Operational and Technical

Blockchain Dependency: The token is entirely dependent on the blockchain the crypto-asset is issued upon (as of 2025-03-01). Any issues, such as downtime, congestion, or security vulnerabilities within the blockchain, could adversely affect the token's functionality.

Smart Contract Risks: Smart contracts governing the token may contain hidden

vulnerabilities or bugs that could disrupt the token ffering or distribution processes.

Connection Dependency: As the trading of the total also volves other trading venues,

technical risks such as downtime of the copyration of factly code are also possible.

Human errors: Due to the irreversability bloom hain-transactions, approving wrong

transactions or using incorrect networks/addresses will most likely result in funds not

being accessibly anymore.

Custodial risk: When to trading, the risk of losing clients assets due

to hacks or other dalicious sts is given. This is due to the fact the token is hold in

custodial wallets or the comers.

3. Market and Equidity

Volative New Will most likely be subject to high volatility and market speculation.

Price fletuations could be significant, posing a risk of substantial losses to holders.

dity Risk: Liquidity is contingent upon trading activity levels on decentralized

exchanges (DEXs) and potentially on centralized exchanges (CEXs), should they be

involved. Low trading volumes may restrict the buying and selling capabilities of the

tokens.

4. Counterparty

As the admission to trading involves the connection to other trading venues,

counterparty risks arise. These include, but are not limited to, the following risks:

General Trading Platform Risk: The risk of trading platforms not operating to the highest

standards is given. Examples like FTX show that especially in nascent industries,

compliance and oversight-frameworks might not be fully established and/or enforced.

Listing or Delisting Risks: The listing or delisting of the token is subject to the trading

partners internal processes. Delisting of the token at the connected trading partners

could harm or completely halt the ability to trade the token.

5. Liquidity



Liquidity of the token can vary, especially when trading activity is limited. This could result in high slippage when trading a token.

6. Failure of one or more Counterparties

Another risk stems from the internal operation processes of the counterparties used. As there is no specific oversight there there are typical due diligence check, it cannot be guaranteed that all counterparties address to the best market standards.

Bankruptcy Risk: Counterparties out go bankrupt, possibly resulting in a total loss for the clients assets hold what counterparty.

# I.2 Issuer-rela risk

#### 1. Insolvence

with very other commercial endeavor, the risk of insolvency of the issuer is given. This could be caused by but is not limited to lack of interest from the public, lack of funding incapacitation of key developers and project members, force majeure (including memics and wars) or lack of commercial success or prospects.

### 2. Counterparty

In order to operate, the issuer has most likely engaged in different business relationships with one or more third parties on which it strongly depends on. Loss or changes in the leadership or key partners of the issuer and/or the respective counterparties can lead to disruptions, loss of trust, or project failure. This could result in a total loss of economic value for the crypto-asset holders.

### 3. Legal and Regulatory Compliance

Cryptocurrencies and blockchain-based technologies are subject to evolving regulatory landscapes worldwide. Regulations vary across jurisdictions and may be subject to significant changes. Non-compliance can result in investigations, enforcement actions, penalties, fines, sanctions, or the prohibition of the trading of the crypto-asset impacting its viability and market acceptance. This could also result in the issuer to be subject to private litigation. The beforementioned would most likely also lead to changes with

respect to trading of the crypto-asset that may negatively impact the value, legality, or

functionality of the crypto-asset.

4. Operational

Failure to develop or maintain effective items some or any difficulties encountered

in the implementation of such controls, wheir horovement could harm the issuer's

business, causing disruptions, financial osses, or reputational damage.

5. Industry

The issuer is and worker bjector all of the risks and uncertainties associated with a

memecoin-point, where the token issued has zero intrinsic value. History has shown

that most this piects resulted in financial losses for the investors and were only set-

up to arrich a w insiders with the money from retail investors.

6. Re Itatic

The is der faces the risk of negative publicity, whether due to, without limitation,

ational failures, security breaches, or association with illicit activities, which can

damage the issuer reputation and, by extension, the value and acceptance of the

crypto-asset.

7. Competition

There are numerous other crypto-asset projects in the same realm, which could have an

effect on the crypto-asset in question.

8. Unanticipated Risk

In addition to the risks included in this section, there might be other risks that cannot be

foreseen. Additional risks may also materialize as unanticipated variations or

combinations of the risks discussed.

I.3 Crypto-assets-related risks

1. Valuation

As the crypto-asset does not have any intrinsic value, and grants neither rights nor

obligations, the only mechanism to determine the price is supply and demand.

Historically, most crypto-assets have dramatical rost lue and were not a beneficial

investment for the investors. Therefore, investing in the excrypto-assets poses a high

risk, and the loss of funds can occur.

2. Market Volatility

Crypto-asset prices are high supportible to dramatic fluctuations influence by various

factors, including man, t sent nent regulatory changes, technological advancements,

and macroeconomic conditions. These fluctuations can result in significant financial

losses within for jods haking the market highly unpredictable and challenging for

investors. Significantly investors in the second investors in the second investors in the second investors.

investes should be prepared to lose the complete amount of money invested in the

resp. tive ...o-assets.

3. Liqueity Challenges

Some crypto-assets suffer from limited liquidity, which can present difficulties when

executing large trades without significantly impacting market prices. This lack of liquidity

can lead to substantial financial losses, particularly during periods of rapid market

movements, when selling assets may become challenging or require accepting

unfavorable prices.

4. Asset Security

Crypto-assets face unique security threats, including the risk of theft from exchanges or

digital wallets, loss of private keys, and potential failures of custodial services. Since

crypto transactions are generally irreversible, a security breach or mismanagement can

result in the permanent loss of assets, emphasizing the importance of strong security

measures and practices.

5. Scams

The irrevocability of transactions executed using blockchain infrastructure, as well as the

pseudonymous nature of blockchain ecosystems, attracts scammers. Therefore,

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investors in crypto-assets must proceed with a high degree of caution when investing in if they invest in crypto-assets. Typical scams incode – but are not limited to – the creation of fake crypto-assets with the same name, pushing on social networks or by email, fake giveaways/airdrops, identity theft, among others.

# 6. Blockchain Dependency

Any issues with the blockchain used, such as network downtime, congestion, or security vulnerabilities, could disrupt the transfer, trading, or functionality of the crypto-asset.

## 7. Privacy Concerns

All transaction on the blockhain are permanently recorded and publicly accessible, which can oten ally expose user activities. Although addresses are pseudonoymous, the transparent and immutable nature of blockchain allows for advanced forensic and six a diptoligence gathering. This level of transparency can make it possible to link blockchain addresses to real-world identities over time, compromising user privacy.

# 8 Pagalatory Uncertainty

The regulatory environment surrounding crypto-assets is constantly evolving, which can directly impact their usage, valuation, and legal status. Changes in regulatory frameworks may introduce new requirements related to consumer protection, taxation, and anti-money laundering compliance, creating uncertainty and potential challenges for investors and businesses operating in the crypto space. Although the crypto-asset do not create or confer any contractual or other obligations on any party, certain regulators may nevertheless qualify the crypto-asset as a security or other financial instrument under their applicable law, which in turn would have drastic consequences for the crypto-asset, including the potential loss of the invested capital in the asset. Furthermore, this could lead to the sellers and its affiliates, directors, and officers being obliged to pay fines, including federal civil and criminal penalties, or make the crypto-asset illegal or impossible to use, buy, or sell in certain jurisdictions. On top of that, regulators could take action against the issuer as well as the trading platforms if the the regulators view the token as an unregistered offering of securities or the operations otherwise as a violation of existing law. Any of these outcomes would negatively affect

the value and/or functionality of the crypot-asset and/or could cause a complete loss of

funds of the invested money in the crypto-asset for the investor.

9. Counterparty risk

Engaging in agreements or storing cryptoasse on an anges introduces counterparty

risks, including the failure of the party of full their obligations. Investors may face

potential losses due to factors suc as insolvency, regulatory non-compliance, or

fraudulent activities by courterp as, highlighting the need for careful due diligence

when engaging with the particular

10. Reputati nal correrns

Crypto-assets are often subject to reputational risks stemming from associations with

illegal activities, eigh-profile security breaches, and technological failures. Such incidents

can indepring rust in the broader ecosystem, negatively affecting investor confidence

and maket value, thereby hindering widespread adoption and acceptance.

11 Tchnological Innovation

New technologies or platforms could render Bitcoin's design less competitive or even

break fundamental parts (i.e., quantum computing might break cryptographic

algorithms used to secure the network), impacting adoption and value. Participants

should approach the crypto-asset with a clear understanding of its speculative and

volatile nature and be prepared to accept these risks and bear potential losses, which

could include the complete loss of the asset's value.

12. Community and Narrative

As the crypto-asset has no intrinsic value, all trading activity is based on the intended

market value is heavily dependent on its community and the popularity of the

memecoin narrative. Declining interest or negative sentiment could significantly impact

the token's value.

13. Interest Rate Change



Historically, changes in interest, foreign exchange rates, and increases in volatility have increased credit and market risks and may also affect the value of the crypto-asset. Although historic data does not predict the future, potential investors should be aware that general movements in local and other factor may affect the market, and this could also affect market sentiment and, therefore cost likely also the price of the crypto-asset.

#### 14. Taxation

The taxation regime the applied to the trading of the crypto-asset by individual holders or legal entities will depend on the holder's jurisdiction. It is the holder's sole responsibility conclusive all applicable tax laws, including, but not limited to, the reporting and payr approf income tax, wealth tax, or similar taxes arising in connection with the apprecation and depreciation of the crypto-asset.

# 15. An Money Laundering/Counter-Terrorism Financing

It cannot be ruled out that crypto-asset wallet addresses interacting with the crypto-asset have been, or will be used for money laundering or terrorist financing purposes, or are identified with a person known to have committed such offenses.

#### 16. Market Abuse

It is noteworthy that crypto-assets are potentially prone to increased market abuse risks, as the underlying infrastructure could be used to exploit arbitrage opportunities through schemes such as front-running, spoofing, pump-and-dump, and fraud across different systems, platforms, or geographic locations. This is especially true for crypto-assets with a low market capitalization and few trading venues, and potential investors should be aware that this could lead to a total loss of the funds invested in the crypto-asset.

#### 17. Timeline and Milestones

Critical project milestones could be delayed by technical, operational, or market challenges.



### I.4 Project implementation-related risks

As this white paper relates to the "Admission to trading" of the crypto-asset, the implementation risk is referring to the risks on the Crypto Asset Service Providers side. These can be, but are not limited to, typical project my hagement risks, such as keypersonal-risks, timeline-risks, and technical imprementation-risks.

## I.5 Technology-related risks

As this white paper relate to in "Admission to trading" of the crypto-asset, the technology-related risk painly to in the settling on the Ethereum-Network.

## 1. Blockchai Depel lency R

Network Devntime Potential outages or congestion on the Ethereum blockchain could interrest on-chap token transfers, trading, and other functions.

Scalar ity challenges: Despite Ethereum comparatively high throughput design, unexpected demand or technical issues might compromise its performance.

## ∠. vVallet and Storage Risks

Private Key Management: Token holders must securely manage their private keys and recovery phrases to prevent permanent loss of access to their tokens, which includes Trading-Venues, who are a prominent target for dedicated hacks.

## 3. Network Security Risks

Attack Risks: The Ethereum blockchain may face threats such as denial-of-service (DoS) attacks or exploits targeting its consensus mechanism, which could compromise network integrity.

4. Centralization Concerns: Although claiming to be decentralized, Ethereum relatively smaller number of validators/concentration of stakes within the network compared to other blockchains and the influence of the Ethereum Foundation (as of 2025-03-09) might pose centralization risks, potentially affecting network resilience.



5. Evolving Technology Risks: Technological Obsolescence: The fast pace of innovation in blockchain technology may make Ethereum less competitive or become outdated, potentially impacting the usability or adoption of the town.

### I.6 Mitigation measures

None.

Part J – Information in the sustainability indicators in relation to adverse impact to the climate and other environment-related adverse impacts

J.1 Adverse impact on cumate and other environment-related adverse impacts

S.1 Nae

Crypt Risk crics GmbH

S.2 Re vant legal entity identifier

39120077M9TG0O1FE242

### S.3 Name of the cryptoasset

Ethereum Eth

### **S.4 Consensus Mechanism**

The crypto-asset's Proof-of-Stake (PoS) consensus mechanism, introduced with The Merge in 2022, replaces mining with validator staking. Validators must stake 32 ETH every block a validator is randomly chosen to propose the next block. Once proposed the other validators verify the blocks integrity. The network operates on a slot and epoch system, where a new block is proposed every 12 seconds, and finalization occurs after two epochs (~12.8 minutes) using Casper-FFG. The Beacon Chain coordinates validators, while the fork-choice rule (LMD-GHOST) ensures the chain follows the heaviest accumulated validator votes. Validators earn rewards for proposing and verifying blocks, but face slashing for malicious behavior or inactivity. PoS aims to

improve energy efficiency, security, and scalability, with future upgrades like Proto-

Danksharding enhancing transaction efficiency.

S.5 Incentive Mechanisms and Applicable Fees

The crypto-asset's PoS system secures tons tion ough validator incentives and

economic penalties. Validators sake 32 77 and earn rewards for proposing blocks,

attesting to valid ones, and participal of in Sync committees. Rewards are paid in newly

issued ETH and transaction zes. Her En-1559, transaction fees consist of a base fee,

which is burned to recognize surely, and an optional priority fee (tip) paid to validators.

Validators face slagging it bey act maliciously and incur penalties for inactivity. This

system aims increase searity by aligning incentives while making the crypto-asset's

fee structure more redictable and deflationary during high network activity.

Beginning of the period to which the disclosure relates

2024-1-22

S.7 For of the period to which the disclosure relates

2025-03-22

S.8 Energy consumption

2390166.00000 kWh/a

S.9 Energy consumption sources and methodologies

For the calculation of energy consumptions, the so called "bottom-up" approach is being

used. The nodes are considered to be the central factor for the energy consumption of

the network. These assumptions are made on the basis of empirical findings through

the use of public information sites, open-source crawlers and crawlers developed in-

house. The main determinants for estimating the hardware used within the network are

the requirements for operating the client software. The energy consumption of the

hardware devices was measured in certified test laboratories.

S.10 Renewable energy consumption

17.4057653342 %



## S.11 Energy intensity

0.00011 kWh

### S.12 Scope 1 DLT GHG emissions - Controlled

0.00000 tCO2e/a

### S.13 Scope 2 DLT GHG emissions – hase

795.47849 tCO2e/a

# S.14 GHG intensity

0.00004 kg( 29

## S.15 Key energy sources and methodologies

To determine the proportion of renewable energy usage, the locations of the nodes are to be determined using public information sites, open-source crawlers and crawlers developed in-house. If no information is available on the geographic distribution of the node, reference networks are used which are comparable in terms of their incentivization structure and consensus mechanism. This geo-information is merged with public information from the European Environment Agency (EEA) and thus determined. The intensity is calculated as the marginal energy cost wrt. one more transaction.

### S.16 Key GHG sources and methodologies

To determine the GHG Emissions, the locations of the nodes are to be determined using public information sites, open-source crawlers and crawlers developed in-house. If no information is available on the geographic distribution of the nodes, reference networks are used which are comparable in terms of their incentivization structure and consensus mechanism. This geo-information is merged with public information from the European Environment Agency (EEA) and thus determined. The intensity is calculated as the marginal emission wrt. one more transaction.

